Infinity

INTERMEZZO 2.6

POWERED LOUDSPEAKER

SERVICE MANUAL

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Specifications

Frequency Response:	50Hz – 20kHz (±1.5dB) 40Hz – 22kHz (±3dB)
Impedance	8 ohms
Sensitivity	90 dB (1 watt @ 1 meter)
Max Amp Power	150 watts *
Internal Amp Output:	250 watts RMS (with 0.1% THD @ 100Hz)
2nd- and 3rd-Order Harmonic Distortion: (20Hz – 20kHz @ 95dB SPL)	<1%
Crossover Frequency	2800 Hz – 24 dB/Octave

AURAL SWEEP TEST SPECIFICATIONS:

A. System Aural Sweep Test	7.0V 40 Hz to 22kHz **(SEE PAGE 8)**
B. L.F. Aural Sweep Test	6.0V Input 40 Hz to 3 kHz
C. H.F. Aural Sweep Test	3.0V Input 2 kHz to 22kHz

Features	R.A.B.O.S.; High Pass filter On/Off; Shelf/Stand Placement Selector; Bass Level Control
Dimensions:	15 x 9 3/4 x 11 1/2" (381 x 248 x 292mm)
Weight	54 lbs./24.6 kg (Sold in Pairs)

OPTIONAL ACCESSORIES
Floor Stand: #FS-ITM/IL
Wall Bracket: We recommend Omnimount® Model 75WB (Black or White)

*The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

Infinity continually strives to update and improve existing products, as well as create new ones. The specifications and details in this manual and related Infinity publications are therefore subject to change without notice.

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Detailed Specifications

Intermezzo 2.6 Specifications

LINE VOLTAGE	Yes/No	Hi/Lo Line	Nom.	Unit	Notes
US 120vac/60Hz	Yes	108-132	120	Vrms	Normal operation, MOMS required
EU 230vac/50-60Hz	Yes	207-264	230	Vrms	Normal operation, MOMS required

Parameter	Specification	Unit	QA Test Limits	Conditions	Notes
Amp Section					
Type (Class AB, D, other)	AB	--	--	HC-BASH Power Supply	
Load Impedance (speaker)	3	Ohms	--	Nominal	Z-curve required
Rated Output Power	250	Watts	250	1 input driven	
THD@ Rated Power	0.1	%	0.8	22k filter	P=250w
THD @ 1 Watt	0.3	%	1	22k filter	
Polarity	0	deg.	0° ±20	In phase at 50Hz	.250 faston (+).....205 faston (-)
DC Offset	10	mV-DC	20	@ Speaker Outputs	
Damping factor	>50	DF	--		
Input Sensitivity					
Input Frequency	100	Hz	100	Nominal Freq.	1 input driven
Line Input	N/A	mVrms	±2dB	To Rated Power	1 input driven
Speaker/Hi Level Input	6	Vrms	±2dB	To Rated Power	(-20dB below Line In)...1 input driven
Signal to Noise					
SNR-A-Weighted	100	dBA	90	relative to rated power	A-Weighting filter
SNR-unweighted	70	dBr	70	relative to rated power	22k filter
SNR rel. 1W-unweighted	60	dBr	55	relative to 1W Output	22k filter
Residual Noise Floor	2	mVrms	3	Volume @max, using RMS reading DMM/VOM (or A/P)	
Residual Noise Floor	1.5	mVrms(max)	2	Volume @max, w/ A/P Swept Bandpass Measurement (Line freq.+ harmonics)	
Input Impedance					
Speaker/Hi Level Input	4.7k	ohms	N/A	Nominal	
Active Filters					
Low Pass (fixed or variable)	fixed				
Low Pass filter (point or range)	5k	Hz	±2dB		
Slope	24	dB/Octave	--		
Q	0.707	Damping	--		
Hi Pass Filter	fixed	Hz	±2dB		Can be defeated with HPF Bypass Switch
High Pass filter (point or range)	80	Hz	±2dB		
Slope	12	dB/Octave	--		
Q	0.707	Damping	--		
Parametric EQ (RABOS)					
Frequency Pot	yes	--			
Range	20-80	Hz	20-80	21 detent pot (0.1 oct. steps)	
Notch Filter Level Pot	yes	dB/Octave	--		
Range	0 to -10	dB	±2dB	21 detent pot (0.5dB steps)	
Notch Filter Width(Q) Pot	yes	dB/Octave	--		
Range	0.1-0.5	octave	functional	21 detent pot (5steps/0.1 octave)	
RABOS Remote Connector	yes	--	functional		
Notch Filter					
Frequency	500	Hz	TBD		
Limiter (yes/no)	Yes				
Features	--				
Hi Pass Filter Bypass Switch	yes	--	functional		push-button type
Free-Standing Bookshelf Switch	yes	--	functional		push-button type (AKA: 2pi/4pi)
Shelving EQ: Frequency	300	Hz	--		
Bass Shelving EQ: Boost/Cut	-3	dB	±2dB		
Variable Bass Level Control	yes	--	functional		
Bass Shelving EQ: pot Taper (lin/log)	lin	--	functional		
Bass Shelving EQ: Frequency	100	Hz	--		
Bass Shelving EQ: Boost/Cut	±6	dB	±2dB		
Signal Sensing (ATO)					
Auto-Turn-On (yes/no)	yes	--	functional		
ATO Input Frequency	1k	Hz	functional		
ATO Level	40	mV	functional	40mV@1kHz into Speaker Input	
ATO Bandwidth	5k	Hz	functional	ATO-LPF for noise immunity	
ATO Turn-on time	5	ms	functional	Amp connected and AC on, then input signal applied	
Auto Mute/ Turn-OFF Time	15	minutes	functional	T before muting, after signal is removed	
Power on Delay time	3	sec.	4	AC Power Applied	
Transients/Pops					
ATO Transient	10	mV-peak	N/A	@ Speaker Outputs	
Turn-on Transient	100	mV-peak	1v-pp	@ Speaker Outputs	AC Line cycled from OFF to ON
Turn-off Transient	100	mV-peak	1v-pp	@ Speaker Outputs	AC Line cycled from ON to OFF

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Detailed Specifications (Cont.)

Parameter	Specification	Unit	QA Test Limits	Conditions	Notes
Efficiency					
Stand-by Input Power	10	Watts	15	@ nom. line voltage	
AC Power Cons.@1W	N/A	Watts	N/A	@ nom. line voltage	
Power Cons.@rated power	312	Watts	N/A	@ nom. line voltage	
Efficiency	80%	%	70	@ nom. line voltage	
Protection					
Short Circuit Protection	yes		functional	Direct short at output	
Thermal Protection	yes			@1/8 max unclipped Power	
DC Offset Protection	yes			DC present at Speaker Out leads	Relay or crowbar (for driver/fire protection)
Line Fuse Rating	3	Amps		Type-T or Slo Blo	External fuse with UL/SEMKO rated holder

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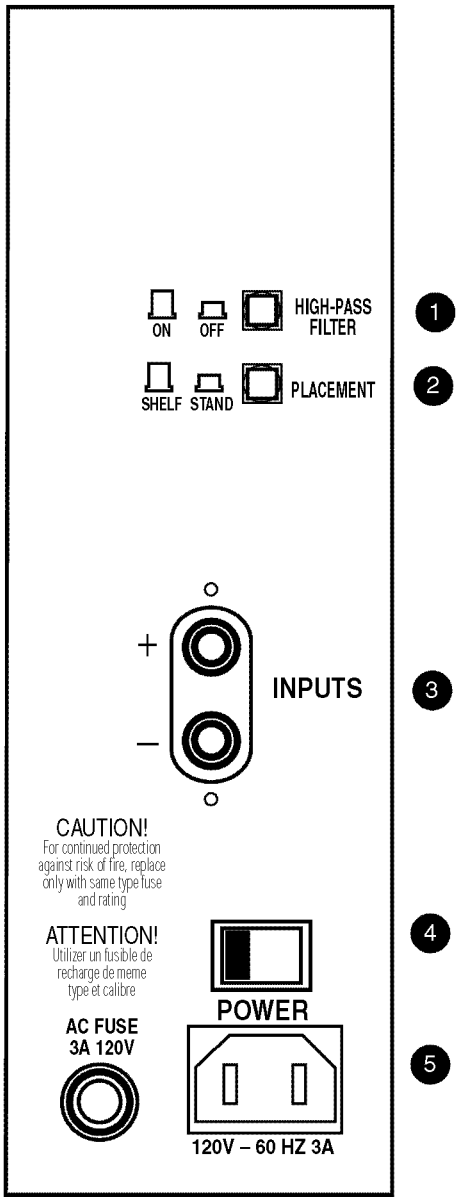
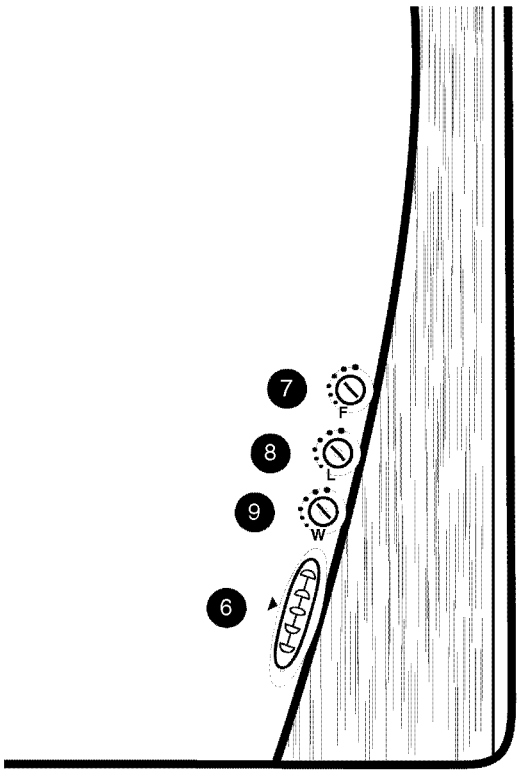
CONTROLS AND CONNECTIONS

Rear Panel



Front Panel



1. High-Pass Filter
2. Placement Selector
3. Speaker Input
4. Power Switch
5. AC-Cord Input
6. Woofer Level Control
   R.A.B.O.S. Controls
7. Center-Frequency Adjustments
8. R.A.B.O.S. Level
9. Bandwidth Adjustment

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High-Pass Filter 1

When set to "On," this control limits the low frequencies that the Intermezzo 2.6 will reproduce and allows you to use your processor's/receiver's bass-management settings for an ideal blend with a subwoofer.

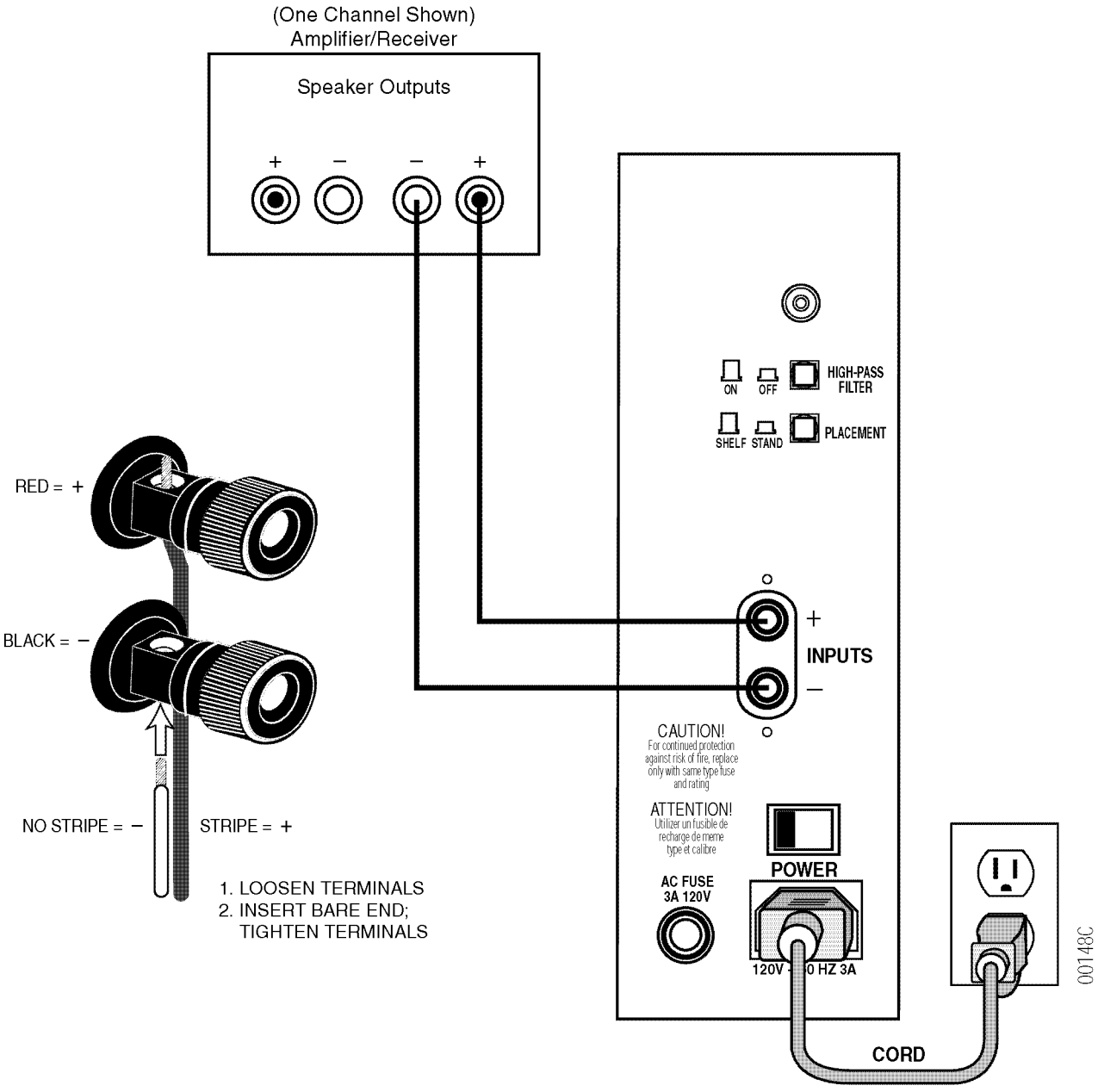
When set to "Off," the Intermezzo 2.6 will reproduce the entire frequency range. Use this setting only if your system does not include a subwoofer.

Placement Selector 2

This control optimizes the performance of the Intermezzo 2.6 based on whether it is placed on a speaker stand or on a shelf.

If you place the Intermezzo 2.6 on a shelf or inside a wall unit/entertainment center, set this control to "Shelf."

If you place the Intermezzo 2.6 on a floor stand, set the control to "Stand.".



Operation

The operation of the Intermezzo 2.6 loudspeaker system,and the proper settings for the Room Adaptive Bass Opitmization System, or R.A.B.O.S., is thoroughly covered in the Owner's guide, part #335714-001.

For service purposes, the R.A.B.O.S. system is canceled when all three front panel controls (F) (L) (W) are turned fully CW, and the Shelf/Stand Placement Selector switch should be set to the "STAND" position.

The only other control of concern is the Main Level Control on the front panel, which operates like a traditional potentiometer.

SYSTEM AURAL SWEEP TEST

Equipment needed:

- Function/signal generator/sweep generator
- Integrated Amplifier
- Multimeter
- Speaker cables

General Sweep Function (UUT = Unit Under Test)

1. Turn the RABOS level control on the front of the UUT to "0". Depress both "High-Pass Filter" and "Placement" buttons on the rear faceplate.
2. Connect one pair of speaker cables to the input terminals on UUT. Cables should be connected to an integrated amplifier fed by the signal generator.
3. Turn on signal generator and adjust so that *speaker level* output at the amplifier is **7.0V, 50 Hz.**
4. Plug in and turn on UUT with the power switch; LED on the Level control should light – Red initially and Green after step #5 is followed.
5. Turn up the RABOS level control on the front of the UUT to "10". (Maximum). Woofer should be driving close to maximum excursion at this point.

Driver Function

1. Remove driver from cabinet; (See Page 10), detach + and - wire clips.
2. Check DC resistance of woofer; it should be 3.4 ohms ±10%.
3. Connect a pair of speaker cables to driver terminals. Cables should be connected to an integrated amplifier fed by a signal generator. Turn on generator and adjust so that speaker level output is **5.0V.**
4. Sweep generator from 20Hz to 1kHz. Listen to driver for any rubbing, buzzing, or other unusual noises.

Left Right

Service Bulletin

Service Bulletin INF2000-05 Rev1- January 2001 | Warranty labor rate: MAJOR repair

To: All Infinity Service Centers

Model: Intermezzo 2.6

Subject: Hum

In the event you receive an Intermezzo 2.6 with the complaint: "There is a low-volume hum coming from the loudspeaker", perform the modification listed below:

1) Remove the grille and side panel.
2) Extract (7) of the rubber grille retainers; this can be accomplished by carefully pulling them out of their cavities with a long-nosed pliers or similar tool. See Figure 1.
3) Remove the (7) Phillips screws that are now exposed.
4) Carefully lift the front baffle, with drivers, network, and RABOS controls attached off the enclosure.
5) Unplug all connecting wires to the woofer, RABOS control, and passive network.
6) Remove the (8) Phillips screws at the rear of the enclosure, and push the amplifier assembly out the front.
7) Remove the (6) Phillips screws holding the front of the amplifier plate to the main assembly.
8) Pull on the Gold plated binding posts to dislodge the amplifier plate from its aluminum cup; if necessary, extra leverage can be obtained by unscrewing the binding post nuts as far as they will unscrew, then pulling on them. Pull the amplifier plate w/ control & filter PCB attached as far as it will come out of the cup. Unplugging terminals J6 and J7 will allow more access. See Figure 2.
9) Locate R1 and R43 on the Control PCB, two upright resistors near the edge of the PCB.
   Replace R1 1kΩ with 54.9Ω 1% 1/4W resistor, Infinity part# 271-54.9
   Replace R43 1kΩ with 2k Ω1/2W resistor, Infinity part# 293-2K
   Care should be used when desoldering and replacement, to avoid PCB trace damage.
10) Replace terminals J6 and J7 if unplugged; replace (6) Phillips screws holding the amp plate to the assembly; replace amp assembly back into the enclosure; replace (8) Phillips screws at the rear of the enclosure; plug in all connecting wires - woofer, RABOS control, and passive network. Replace the front baffle, screws, grille cups, side panel and grille.
11) Test the loudspeaker.

FIGURE 1

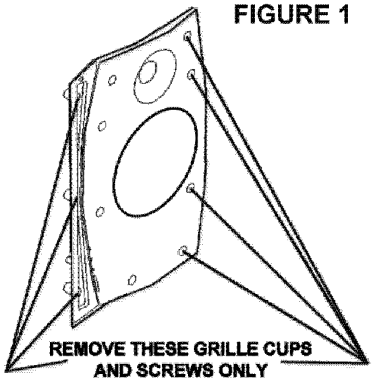
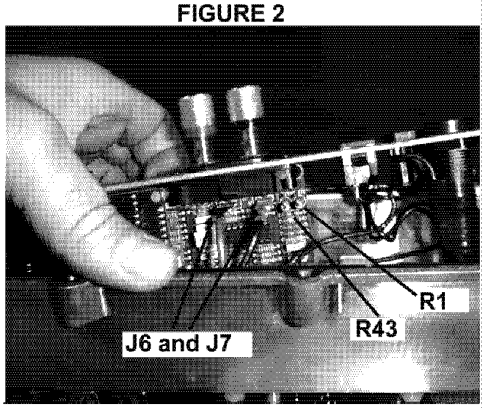


FIGURE 2



Model	Identification of Modified Units 120V	Status	Action
IM2.6 L/R	No label, or label on the amplifier PCB #WO1195 or lower	Low volume Hum	Replace R1 with 54.9Ω 1% 1/4W resistor Replace R43 with 2kΩ 1/2W resistor
IM2.6 L/R	Label on the amplifier PCB #WO1196 or higher	Modified by Factory	NONE REQUIRED

Service Bulletin

Service Bulletin INF2002-04 - February 2002 | Warranty labor rate: MINOR repair

To: All Infinity Service Centers

Model: Intermezzo 2.6

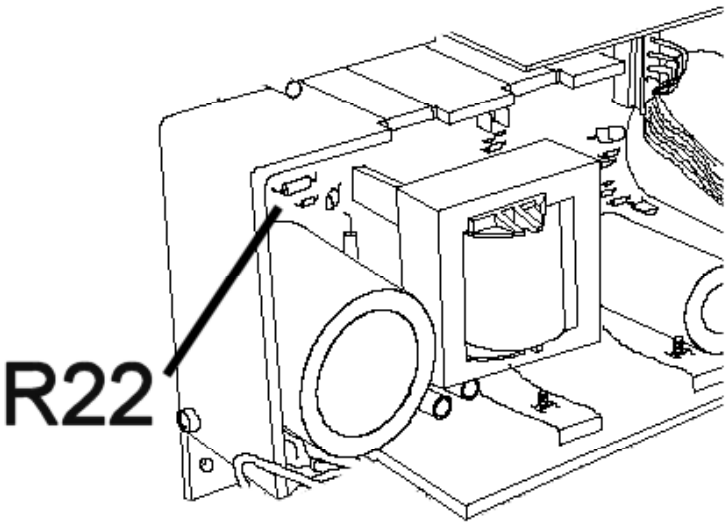
Subject: No Output

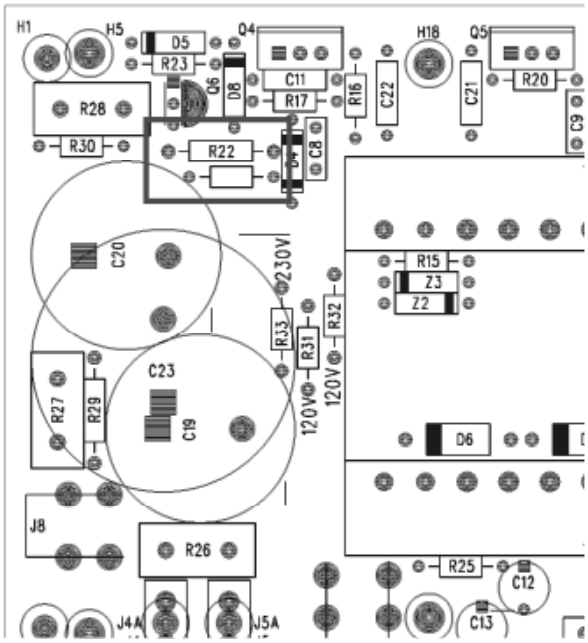
In the event you receive an Intermezzo 2.6 loudspeaker with the complaint: "There is no output, and the LED on the volume control does not light, red or green", check the items listed below:

Check the 3A line fuse to make sure it's not open. If open, replace with a 3A MDL (.25 x 1.25) slo-blo fuse, Infinity part# 80126.

Locate R22 in the power supply section, as shown below.
If value of R22 is not 100k ohms ±5%, then replace R22 with a 1/2 Watt 100k ohm ±5%, resistor.

1) Remove the grille and side panel.
2) Extract (7) of the rubber grille retainers shown in the illustration; this can be accomplished by carefully pulling them out of their cavities with long-nosed pliers or similar tool.
3) Remove the (7) Phillips screws that are now exposed.
4) Carefully lift the front baffle, with drivers, network, and RABOS controls attached, off the cabinet.
5) Remove the (8) Phillips screws at the rear of the enclosure, and push the amplifier assembly out the front.
6) Locate the power supply section and R22 from the illustrations below. Remove the black plastic guard from the area of concern (loosen (2) Phillips screws). R22 can be checked in-circuit and should be: 100k ohms ±5%. If it is any other value, or open, replace with Infinity part# RC0082.
7) Replace the guard, the amplifier, reassemble and and test the loudspeaker.





TECH TIPS

Troubleshooting tips and solutions to common service problems

For models: IL50, IL100s, MSW-1, IL60, IL120s, IM2.6, IM3.5c **TIP# INFTT2003-03**

Intermezzo, Interlude and Modulus MSW-1 Power Supply Repair

Recommended for instances where the PCB has been damaged, for the above models only:

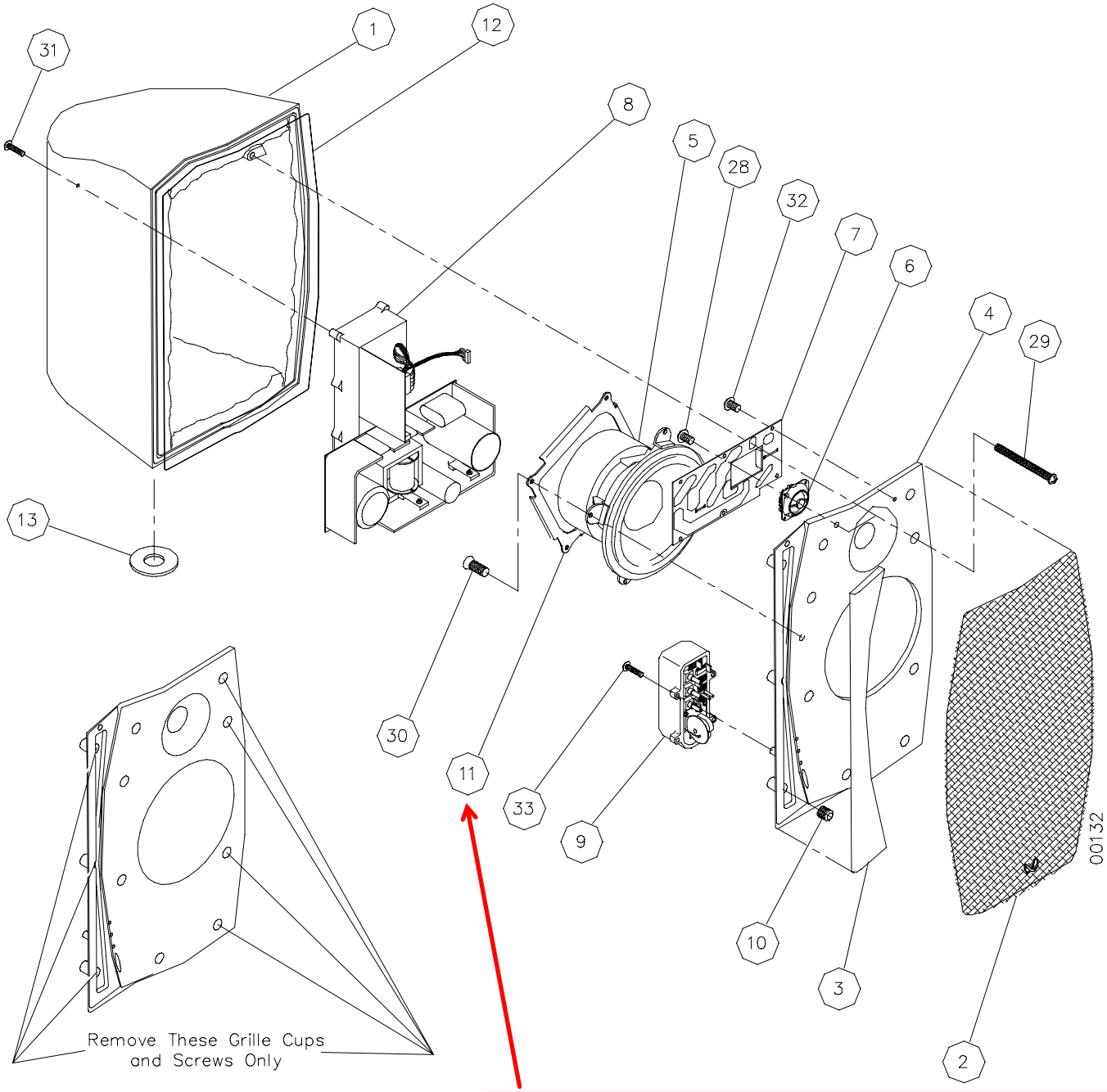
1) Change all MOSFETS, even for one device failure.
2) Clean and repair the PC board if required (See Tech Tip HCG2002-01 - Damaged Printed Circuit Boards).
3) Replace the Hybrid Bash Controller IC:
   U1 in models: IL50,IL100s,MSW-1,IM2.6,IM3.5c
   U501 in models: IL60, IL120s
   Infinity part **# HC1011**

FAILURE TO FOLLOW THE INSTRUCTIONS ABOVE MAY RESULT IN UNIT FAILURE WHEN THE AMPLIFIER IS POWERED UP

INTERMEZZO 2.6 L/R MECHANICAL/PACKAGING PARTS LIST

1	**Cabinet**	Intermezzo 2.6 L/R (Not for Sale)	
2	**Grille**	(R/L) (Pair) Blue	335453-050
		(R/L) (Pair) Gray	335453-040
		(R/L) (Pair) Burgundy	335453-060
3	**Side Trim Panels**	(R/L) (Pair) (Black)	335452-030
		(R/L) (Pair) (Cherry)	335452-020
		(R/L) (Pair) (Maple)	335452-010
4	**Front Baffle**	(R)	335277-001
		(L)	335277-002
5	**Low Frequency Transducer**	6 ½" (165mm) C.M.M.D. Neodymium, shielded DC Resistance 3.3 ohms ±10%	IM165GS
6	**High Frequency Transducer**	1" (25mm) C.M.M.D. Neodymium, Shielded DC Resistance 3.4 ohms ±10%	335225-002
7	**Mid/Twt Crossover Network**	(L)	335458-002
8	**Amp assembly**		Not for Sale
9	**Rabos Control Assembly**	(R)	335457-001
10	**Grille retainers**	(11)	333249-003
11	**Woofer Protector Ring**		336219-001
12	**Rear Base Gasket**		331106-001
13	**Rubber feet (4)**		335459-001
14	**Power cord**		WI0032
15	**Outer Carton**		335736-001
16	**Top Foam Pad**		335737-001
17	**Bottom Foam Pad**		335737-002
18	**Owner's manual**		335714-001
19	**Warranty Card**		335841-001
20	**Survey Card**		335868-002
21	**RABOS Complete kit**		335852-001
22	**RABOS Test CD**		335855-001
23	**RABOS Sound Level Meter**		335368-001
24	**RABOS Key (Screwdriver)**		091-00121-000
25	**RABOS Q-Finder**		335856-001
26	**RABOS Pouch**		335853-001
27	**9 Volt Battery**		Not for Sale
28	**Screw (tweeter) (4)**	PPH 6-32 x 3/8" ZNC	10811
29	**Screw (front baffle) (7)**	PPH 8-32 x 2 ¼" ZNC	900202-036
30	**Screw (woofer) (4)**	FPH 8-32 x .5 ZNC	901702-008
31	**Screw (amplifier) (8)**	PPH 6-32 x .5" BLK	900301-008
32	**Screw (network) (6)**	PPH 6-32 x 3/8" ZNC	10811
33	**Screw (RABOS Controls) (4)**	PPH 6-32 x .5" BLK	900301-008
34	**Screw for Stand/Wall Mt. Bracket (8)**	PPH ¼ x 20 BLK	900501-008

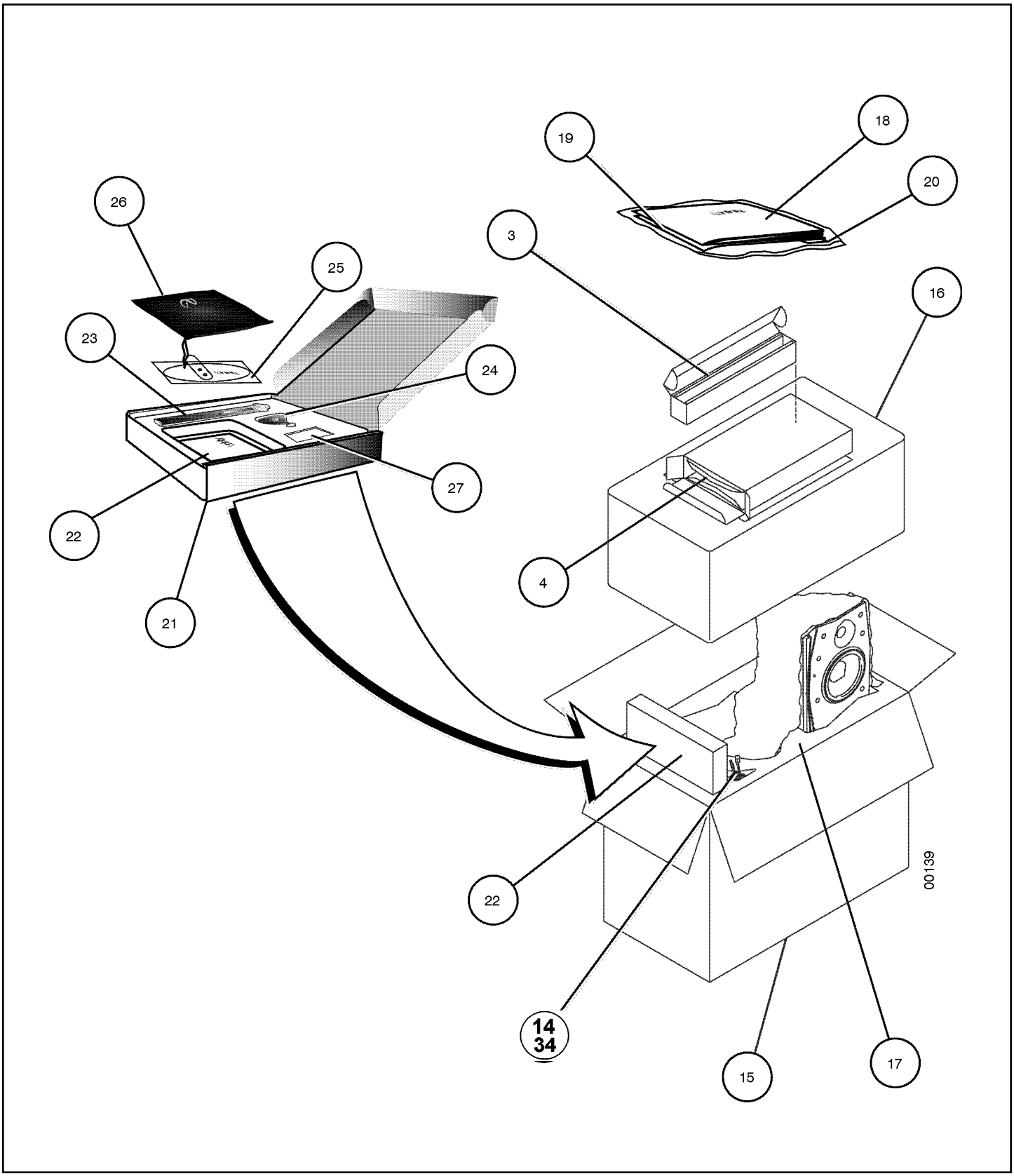
Exploded View



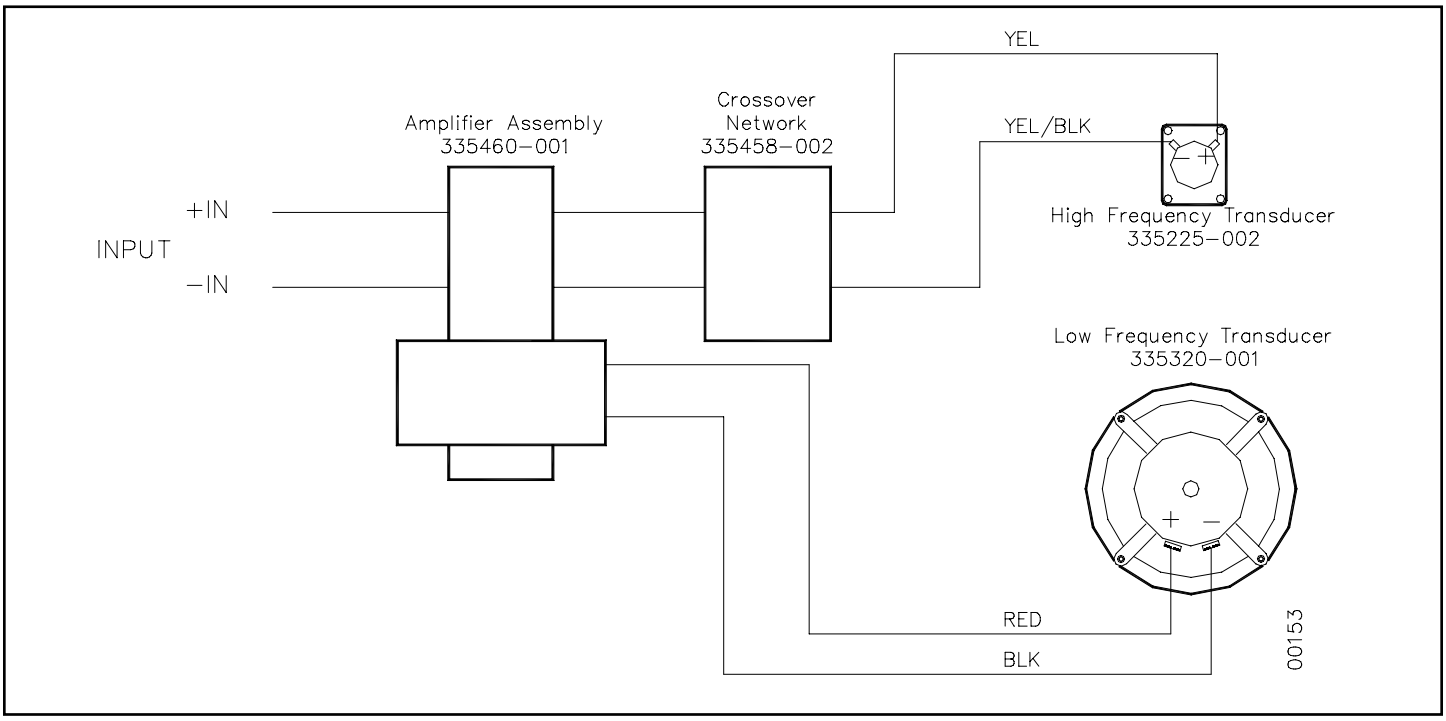
TO SERVICE THE INTERMEZZO 2.6

1) Remove the grille and side panel.
2) Extract (7) of the rubber grille retainers shown in the illustration; this can be accomplished by carefully pulling them out of their cavities with long–nosed pliers or similar tool.
3) Remove the (7) Phillips screws that are now exposed.
4) Carefully lift the front baffle, with drivers, network, and RABOS controls attached, off the cabinet.
5) To service the amplifier, remove the (8) Phillips screws at the rear of the enclosure, and push the amplifier assembly out the front.

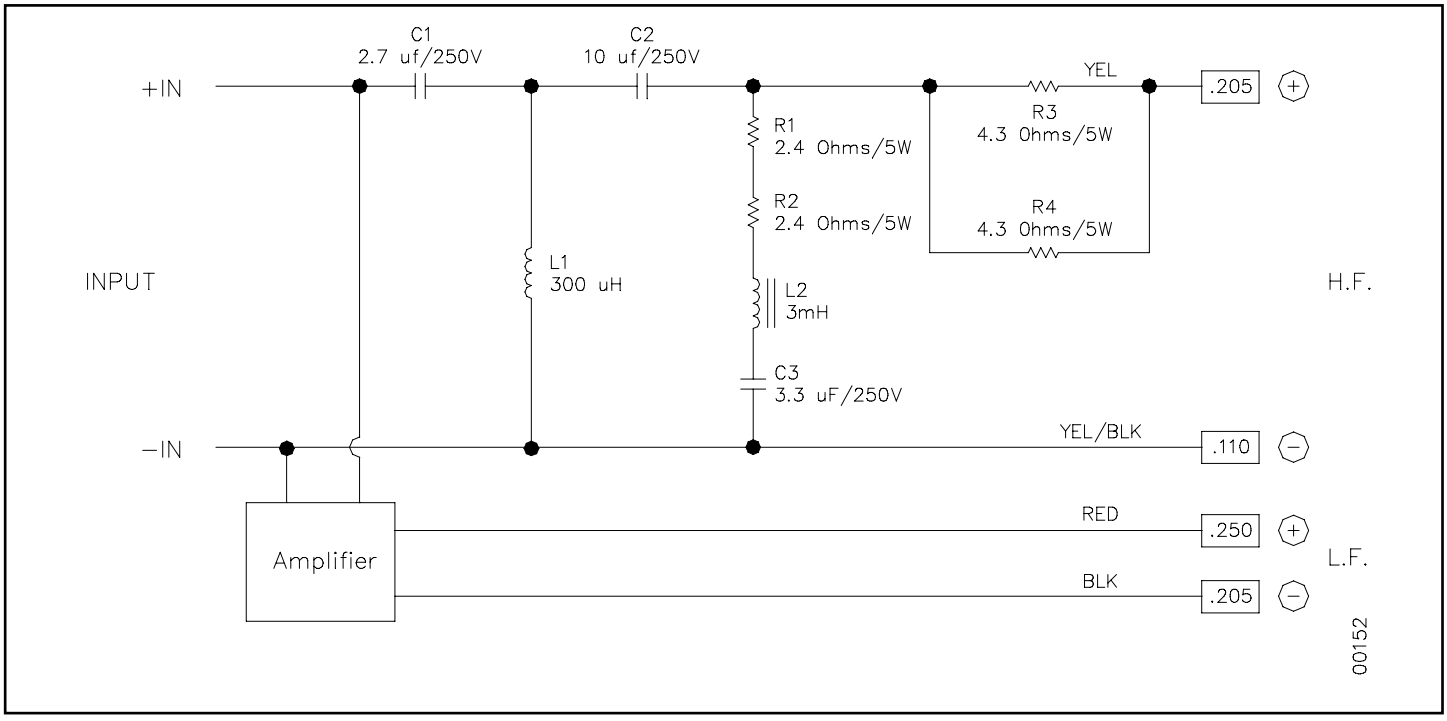
Packaging



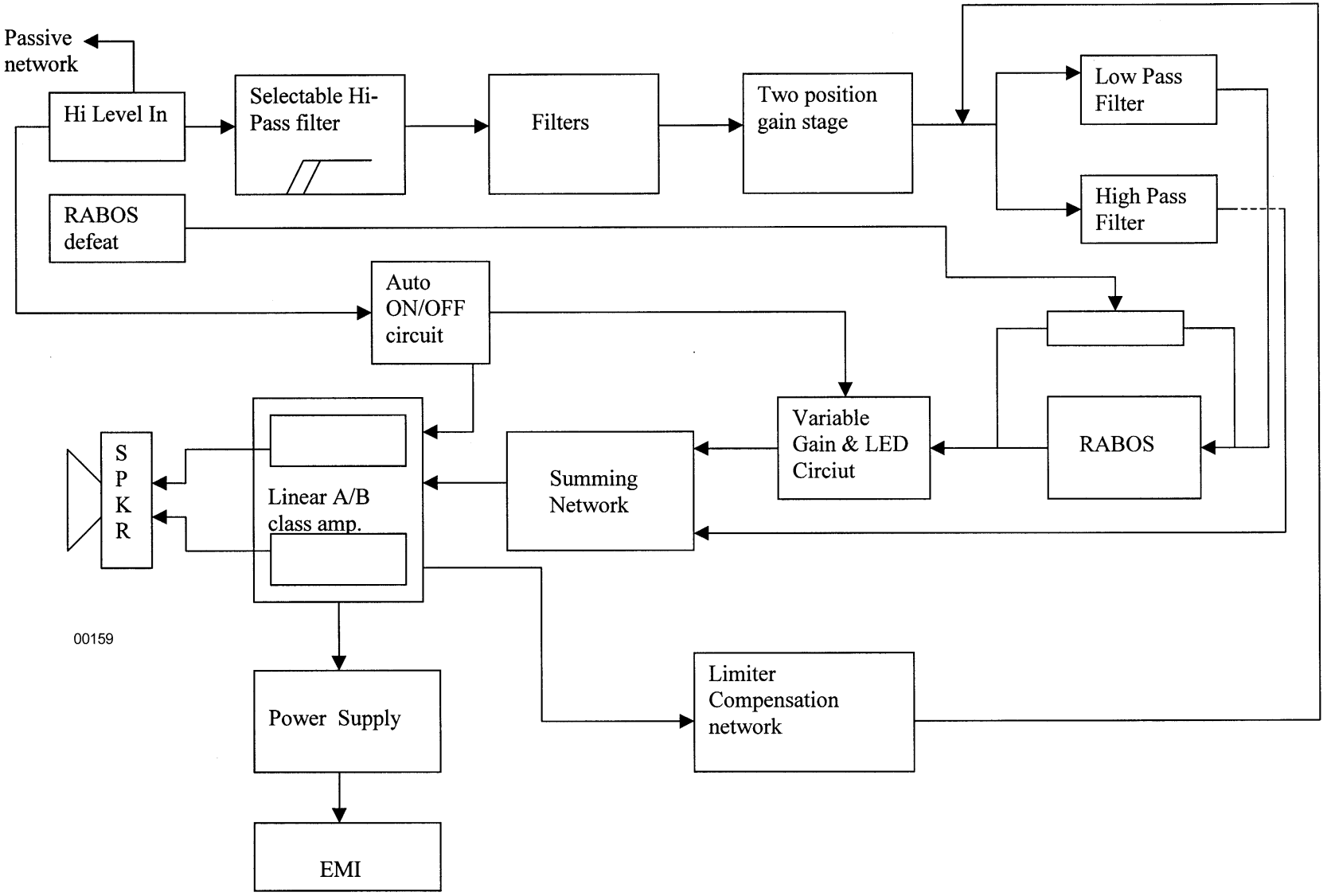
Wiring Diagram



Intermezzo 2.6 Hi-Pass Schematic



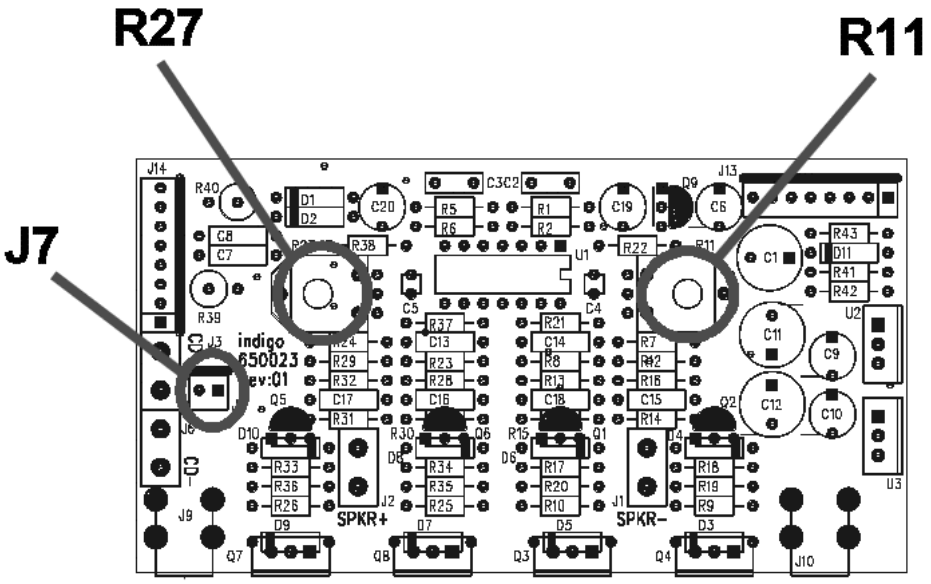
Amplifier Block Diagram



IM 2.6 ADJUST BIAS PROCEDURE

(Mandatory when any output MOSFET transistors Q3,4,7,8 are replaced)

1. Amplifier should be unplugged and OFF.
2. Remove Amp assembly from cabinet, following the instructions on Page 11. All wires can remain connected unless they will prevent you from removing the amplifier or accessing potentiometers on the Linear board PCB in the following steps.
3. Locate the Linear board assembly (PCB with the output transistors)
4. Adjust R11 and R27 fully Counter Clockwise. See diagram below.
5. Apply 120 VAC power to unit, Turn power switch ON.
6. Verify LED illuminates on the front gain control dial unless you have disconnected the plug.
7. Remove shorting plug on terminal J7 on Linear board, and insert current meter, set to the low mA range.
8. Verify initial current is less then 1 mA.
9. Adjust R11 Clockwise until current meter reads **5 mA** + the initial current from step #8.
10. Adjust R27 Clockwise until current meter now reads **10 mA** + the initial current from step #8.
11. Turn amplifier OFF. Disconnect AC power to unit.
12. Remove current meter; insert shorting plug back in terminal J7.
13. Replace cover (if present), wires if disconnected, and replace amplifier back into cabinet.



Electrical Parts List (120V)

Part #	Designator	Qty	Description
	PCB, AMPLIFIER		
	Semiconductors		
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
DS0001	D1 - D11	11	RECT, 100mA 75V SIGNAL 1N4148T
UV0010	U2	1	VREG, +15V 500MA LM7815CT
UV0011	U3	1	VREG, -15V 500MA LM7915CT
QB0017	Q2,Q6	2	TRANS, NPN 150V 0.6A 2N5551TR
QB0018	Q1,Q5	2	TRANS, PNP 150V 0.6A 2N5401TR
QM0034	Q4,Q8	2	MOSFET, IRF9540 TO220AB
QM0036	Q3,Q7	2	MOSFET, IRF530 TO220
QM0054	Q9	1	JFET, N-CH J113 TO92
	Capacitors		
CC0025	C15,C16,C17,C18	4	CAP, CA 1000PF 100V 10%
CC0080	C13,C14	2	CAP, CA 220P 100V 10%
CC0082	C7,C8	2	CAP, CA .1UF 50V 20%
CC0097	C4,C5	2	CAP, C 10P 50V 10
CE0003	C6	1	CAP, E 2.2UF 50V 20% 105C
CE0013	C9,C10	2	CAP, E 47UF 50V 20% 5MMLS
CE0018	C11,C12	2	CAP, E 100UF 25V 20% 5MMLS
CE0106	C19,C20	2	CAP, E 22UF 35V BP 8X11 5MMLS
CE0116	C1	1	CAP, E 2.2UF 50V BP 6X11 5MMLS
CF0092	C2,C3	2	CAP, F 1000PF 100V 5% 5MMLS
	Resistors		
RC0273	R19,R20,R35,R36	4	RES, ZERO OHM 1/4W
RM0001	R12-R15,R28,R29,R30,R31	8	RES, MF 1K 1/4W 1%
RM0002	R1,R2,R5,R6,R22,R38,R41,R42	8	RES, MF 10K 1/4W 1%
RM0021	R7,R8,R23,R24	4	RES, MF 1.82K 1/4W 1%
RM0024	R17,R18,R33,R34	4	RES, MF 2.21K 1/4W 1%
RM0027	R21,R37	2	RES, MF 33.2K 1/4W 1%
RM0029	R9,R10,R25,R26	4	RES, MF 3.01K 1/4W 1%
RM0144	R43	1	RES, MF 47.5K 1/4W 1%
RM0180	R16,R32	2	RES, MF 4.99K 1/4W 1%
RP0059	R11,R27	2	POT, 2K 8MM TOP ADJ/COVER
RX0048	R39,R40	2	RES, MO 330R 1W 5%
	Miscellaneous		
JH0016	J7	1	CNCTR, HEADER 2PIN .100CTR
JH0074	J13,J14	2	CNCTR, HEADER 8PIN LOCKING .1C
MM0025	J9,J10	2	MISC, PC MT SCREW TERM 6-32
MT0003	J1	1	TERM, FASTON MALE PCMT 250X032
MT0023	J3,J6	2	TERM, FASTON MALE PCMT 187X032
MT0036	J2	1	TERM, FASTON MALE PCMT 205X032

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Electrical Parts List (120V) (Cont.)

PCB, CONTROL

Part #	Designator	Qty	Description
	Semiconductors		
UA0009	U1,U2	2	OPAMP, QUAD 14P DIL TL074/084
UF0012	U4	1	FOTO, 6PIN 4N35
DZ0013	Z1	1	ZENER, 500MW 5.6V 5% 1N5232B
	Capacitors		
CE0003	C35,C36	2	CAP, E 2.2UF 50V 20% 105C
CF0014	C13,C15	2	CAP, F 3300PF 63V 5% 5MMLS
CF0035	C4	1	CAP, F .022UF 100V 5% 5MMLS
CF0045	C6,C18,C19	3	CAP, F .1UF 63DC 5% 5MMLS
CF0055	C2,C16	2	CAP, F .22UF 63V 10% 5MMLS
CF0087	C8,C9	2	CAP, F .015UF 100V 5% 5MMLS
CF0088	C5,C10,C11	3	CAP, F .01UF 100V 5% 5MMLS
CF0105	C17	1	CAP, F .15UF 63V 5% 5MMLS
CF0118	C20,C21	2	CAP, F .33UF 63V 10% 5MMLS
CF0134	C3	1	CAP, F 8200PF 100V 5% 5MMLS
CF0144	C37	1	CAP, F .082UF 63DC 5% 5MMLS
CF0147	C14	1	CAP, F 5600PF 50V 5% 5MMLS
CF0149	C7	1	CAP, F 560PF 63V 10% 5MMLS
CF0104	C12	1	CAP, F 1UF 63V 5% 5MMLS
RC0273	C1	1	RES, ZERO OHM 1/4W
	Resistors		
RM0001	R37	1	RES, MF 1K 1/4W 1%
RM0002	R11,R16,R17,R23,R24, R26,R32,R40-R42	10	RES, MF 10K 1/4W 1%
RM0011	R2,R3	2	RES, MF 100K 1/4W 1%
RM0012	R30	1	RES, MF 100 ohms 1/4W 1%
RM0016	R15,R20,R27,R34,R36	5	RES, MF 13K 1/4W 1%
RM0024	R22	1	RES, MF 2.21K 1/4W 1%
RM0027	R29	1	RES, MF 33.2K 1/4W 1%
RM0034	R25	1	RES, MF 4.32K 1/4W 1%
RM0035	R74	1	RES, MF 4.75K 1/4W 1%
RM0038	R12	1	RES, MF 56.2K 1/4W 1%
RM0039	R9,R38,R39	3	RES, MF 5.11K 1/4W 1%
RM0042	R8,R31	2	RES, MF 681 ohms 1/4W 1%
RM0066	R21	1	RES, MF 221 ohms 1/4W 1%
RM0114	R6,R35	2	RES, MF 22.1K 1/4W 1%
RM0119	R13,R18,R28	3	RES, MF 27.4K 1/4W 1%
RM0258	R7	1	RES, MF 221K 1/4W 1%
RM0265	R10	1	RES, MF 130K 1/4W 1%
RM0298	R4,R5	2	RES, MF 37.4K 1/4W 1%
RM0379	R19	1	RES, MF 23.2K 1/4W 1%
RX0001	*R1,R43	2	RES, MO 1K 1W 5%
	Miscellaneous		
JC0064	J4	1	DC POWER JACK 2MM DIA
JC0081	J3	1	CNCTR, 10PIN (5X2) .1CTR
JC0094	J2	1	CNCTR, 2PIN GOLD PC MT
JH0074	J1	1	CNCTR, HEADER 8PIN LOCKING .1C
MM0025	J5	1	MISC, PC MT SCREW TERM 6-32

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* See service bulletin page 9 for change, and new R1/R43 values

Electrical Parts List (120V) (Cont.)

Part #	Designator	Qty	Description
MT0003	J7	1	TERM, FASTON MALE PCMT 250X032
MT0031	J6	1	TERM, FASTON MALE PCMT 205X020
SR0017	S1,S2	2	SWITCH, 2 POLE 2PDT
	PCB, POWER SUPPLY		
	Semiconductors		
DZ0004	Z1	1	ZENER, 500mW 18V 5% 1N5248B
DZ0021	Z2,Z3,Z4,Z5	4	ZENER, 500MW 15V 5% 1N5245B
DS0001	D2,D10	2	RECT, 100mA 75V SIGNAL 1N4148T
DS0002	D5,D8,D9	3	RECT, 100MA 200V SIGNAL 1N3070
DR0086	D6,D7	2	RECT, 1A 600V ULTRAFAST MUR160
QB0002	Q2	1	TRANS, NPN 40V .6A TO92 2N4401
QB0017	Q3	1	TRANS, NPN 150V 0.6A 2N5551TR
QB0018	Q6	1	TRANS, PNP 150V 0.6A 2N5401TR
DD0003	D4	1	RECT, 1A2 60V DIAC
DR0026	D3	1	RECT, 16A 200V CATHODE FEP16DT
DR0087	D1	1	RECT, 15A 200V ULTRA MUR1540
HC1011	U1	1	HYBRID, THK FILM HC BUCK CNTR
QM0004	Q4,Q5	2	MOSFET, IRF740 TO220AB
QM0020	Q1	1	MOSFET, IRF540 TO220AB
	Capacitors		
CC0025	C2	1	CAP, CA 1000PF 100V 10%
CC0059	C3,C4,C5,C18	4	CAP, CA .1UF 100V 20%
CE0013	C12,C13	2	CAP, E 47UF 50V 20% 5MMLS
CE0098	C7	1	CAP, E 22UF 50V 20% 5X11 5MMLS
CF0019	C8,C9	2	CAP, F 4700PF 100V 5% 5MMLS
CC0124	C11	1	CAP, C .01UF 500V DISC .2LS
CE0040	C23	1	CAP, E 680UF 200V 30X35 85DEG
CE0110	C6	1	CAP, E 1000UF 100V 18X40
CF0020	C16	1	CAP, FY2 4700PF 250V 20%
CF0050	C21,C22,C24,C25	4	CAP, F .1UF 250V 10% 10MMLS
CF0146	C10	1	CAP, F 6.8UF 250V 10% 27MMLS
	Resistors		
RC0217	R22	1	RES, CF 47K 1/2W 5%
RC0273	R31,R32,R35	3	RES, ZERO OHM 1/4W
RM0001	R23	1	RES, MF 1K 1/4W 1%
RM0002	R8	1	RES, MF 10K 1/4W 1%
RM0035	R11	1	RES, MF 4.75K 1/4W 1%
RM0039	R6	1	RES, MF 5.11K 1/4W 1%
RM0070	R12	1	RES, MF 301 ohms 1/4W 1%
RM0075	R15,R16,R18,R19	4	RES, MF 475 ohms 1/4W 1%
RM0111	R7	1	RES, MF 17.8K 1/4W 1%
RM0123	R5	1	RES, MF 36.5K 1/4W 1%
RM0198	R24	1	RES, MF 205K 1/4W 1%
RM0260	R10	1	RES, MF 1.0M 1/4W 1%
RM0339	R3,R13,R25,R34	4	RES, MF 10 ohms 0.6W 1% FLAMEPROOF
RM0340	R17,R20	2	RES, MF 22 ohms 1/4W 1% FLAMEPROOF
RX0072	R4	1	RES, MO 100 ohms 1W 5%
KS0020	R26	1	SURGISTOR, 10R 2A CL-110
RW0022	R1,R2	2	RES, WW 0.1 ohms 2W 5%

Change R22 to 100K ohm - See Page 10

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Electrical Parts List (120V) (Cont.)

Part #	Designator	Qty	Description
	Miscellaneous		
480007	J1	1	SUB, #18B 4" 1/4 STRIP/187X032
480029	J2	1	SUB, #18R 4" 1/4 STRIP/187X032
500104	T1	1	XFMR, POWER 100V HC TRAN ETD39 (ADD SHORT BETWEEN PINS 6 AND 7)
540134	L1	1	IND, 26UH 0.15R AIR CORE LITZ
BF0007	L2	1	BEAD, FERRITE
JH0074	J6	1	CNCTR, HEADER 8PIN LOCKING .1C
MM0025	J7,J8,J9,J10	4	MISC, PC MT SCREW TERM 6-32
MT0005		2	TERM, KWIKDISC .187 X.032 FEMA
MT0023	J4,J5	2	TERM, FASTON MALE PCMT 187X032
	PCB, FEATURE		
	Semiconductors		
UA0003	U2,U3	2	OPAMP, QUAD 14PIN DIL LM324N
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
DS0001	D1,D2,D3,D4,D5,D6,D7,D8,D9	9	RECT, 100mA 75V SIGNAL 1N4148T
DZ0003	Z2	1	ZENER, 500mW 13V 5% 1N5243B
DZ0021	Z1	1	ZENER, 500MW 15V 5% 1N5245B
QM0035	Q1	1	JFET, N-CH J111 TO92 TR
	Capacitors		
CC0020	C1	1	CAP, CA 470PF 100V 5%
CC0025	C3	1	CAP, CA 1000PF 100V 10%
CC0072	C13	1	CAP, CA 100PF 100V 10%
CC0082	C2	1	CAP, CA .1UF 50V 20%
CC0108	C12	1	CAP, CA 22PF 50V 10
CE0013	C4	1	CAP, E 47UF 50V 20% 5MMLS
CE0103	C11	1	CAP, E 100UF 35V 85DEG 5MMLS
CF0088	C6,C7,C9,C10	4	CAP, F .01UF 100V 5% 5MMLS
	Resistors		
RC0290	R9	1	RES, CF 9.1M 1/4W 5%
RM0001	R13	1	RES, MF 1K 1/4W 1%
RM0002	R11,R15,R27,R28,R29	5	RES, MF 10K 1/4W 1%
RM0003	R1,R18	2	RES, MF 15K 1/4W 1%
RM0011	R2,R22,R26	3	RES, MF 100K 1/4W 1%
RM0016	R24	1	RES, MF 13K 1/4W 1%
RM0024	R10	1	RES, MF 2.21K 1/4W 1%
RM0031	R7	1	RES, MF 3.32K 1/4W 1%
RM0075	R8	1	RES, MF 475 ohms 1/4W 1%
RM0079	R25	1	RES, MF 750 ohms 1/4W 1%
RM0085	R21	1	RES, MF 2K 1/4W 1%
RM0113	R12	1	RES, MF 20K 1/4W 1%
RM0136	R5	1	RES, MF 150K 1/4W 1%
RM0156	R20	1	RES, MF 392K 1/4W 1%
RM0171	R6	1	RES, MF 475K 1/4W 1%
RM0188	R23	1	RES, MF 499 ohms 1/4W 1%
RM0194	R16,R17,R19,R45	4	RES, MF 158K 1/4W 1%
RM0381	R14	1	RES, MF 21K 1/4W 1%

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Electrical Parts List (120V) (Cont.)

Part #	Designator	Qty	Description
	Miscellaneous		
JH0061	J1	2	CNCTR, HEADER 5PIN
JH0074	J3	1	CNCTR, HEADER 8PIN LOCKING .1C
480028	J7	1	SUB, #18R 6" 1/4 STRIP/187X032
480046	J5,J6,J8	3	SUB, #18B 5" 1/4"STRIP/187X032
540124	L1	1	IND, CM CHOKE YT7271
	PCB, AC/EMI FILTER PCB		
CF0057	C1,C2	2	CAP, FX .22UF 250V 10%
DB0009	D5	1	RECT, 6A 400V BRIDGE
KV0001	Z4	1	VARISTOR, 275V 100J .6W
MT0005		4	TERM, KWIKDISC .187 X.032 FEMA USED ON 480046 AND 480028
RC0004	R23	1	RES, CF 1M0 1/4W 5%
	MISCELLANEOUS		
480119		2	SUB, #16B 20" 205X032/205X032 A; SPEAKER WIRE -; XOVER WIRE-;
480120		1	SUB, #16R 20" 250X032/250X032 A; SPEAKER WIRE+;
480126		1	SUB, #16R 20" 250X032/250X032M A; XOVER WIRE+;
810056		7	MET, HTSNK CLIP .9X.5X.2 FET C; 3PER USED ON D1,D3,Q1 ON MAIN BOARD; 4PER USED ON Q3,Q4,Q7,Q8 ON LINEAR BOARD
810066		2	MET, HTSNK CLIP HPS SERIES USED Q4,Q5 ON MAIN BOARD
810091		1	MET, HTSNK SEC 3FET RP5 USED ON MAIN BOARD
810092		1	MET, HTSNK PRI 2FET RP5 USED ON MAIN BOARD
FH0014		1	FUSE, HOLDER PANEL MT MINI USED ON THE PANEL
FS0029		1	FUSE, 3A 5MMX20MM SLOW BLO
HS0004		7	SCREW, #6-32X1/4 PAN PHIL ZNP 1PER USED ON 600078 BOARD; 6 USED ON MM0025
HS0012		6	SCREW, #4-40X1/2 100 PHIL ZNP ON THE FRONT PANEL;
HS0062		7	SCREW, #6-1/2 TYPE B PP BLK USED ON FETS
HS0067		8	SCREW, #6-3/8 TYPE A PP BLK 7PER USED ON MZ0030; 1PER USED ON J5 FEATURE
HS0072		2	SCREW, #4-24X3/8 HL PP ZNC USED ON J2
		1	INTERMEZZO 2.6 MAIN ENCLOSURE
		1	INTERMEZZO 2.6 MAIN PLATE
JC0071		1	CNCTR, FEM-FEM HARNESS 8PIN 9" USED ON FEATURE BOARD
JC0129		1	CNCTR, AC IEC SOCKET .250 2PIN ON THE FRONT PANEL;

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Electrical Parts List (120V) (Cont.)

Part #	Designator	Qty	Description
			CNCTR, FEM-FEM HARNESS 8P 10"
JC0163B		1	USED ON FEATURE BOARD
			CNCTR, SPEAKER CABLE 16"
JC0168		4	USED ON J1,J2,J6,J7;
			SILPAD, 1"X4" ADHESIVE
			3PER USED ON MAIN BOARD;
MS0013		7	4PER USED ON THE LINEAR BOARD
			STANDOFF, 3/8" NYLON
			4PC USED ON 600078 BOARD;
MZ0030		7	3 PC USED ON 620008 BOARD
			STANDOFF, 13/16" LOCK BOTH END
MZ0037		3	USED ON THE MEZZINE BOARD
			SWITCH, CAP FOR SR0005
SR0006		2	FOR TV5 SWITCHES;
			SWITCH, ROCKER TV5
SR0032		1	ON THE FRONT PANEL;
WI0043		1	WIRE, POWER CORD 15FT IEC
	RABOS Assembly Right		
	Semiconductors		
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
UA0010	U2	1	OPAMP, DUAL 8PIN DIL TL082
QB0002	Q3	1	TRANS, NPN 40V .6A TO92 2N4401
QM0035	Q1,Q2	2	JFET, N-CH J111 TO92 TR
DL0014	D1	1	LED, 3MM BICOLOR RED/GR
DS0001	D2,D3	2	RECT, 100mA 75V SIGNAL 1N4148T
	Capacitors		
CE0115	C4,C5	2	CAP, E 1UF 63V 6X11 85C 5MMLS
CF0045	C1,C2,C3	3	CAP, F .1UF 63DC 5% 5MMLS
	Resistors		
RC0148	R30	1	RES, CF 10M 1/4W 5%
RM0001	R27,R29	2	RES, MF 1K 1/4W 1%
RM0002	R1,R2,R4,R10,R15,R16,R24, R26,R37	9	RES, MF 10K 1/4W 1%
RM0003	R9,R14	2	RES, MF 15K 1/4W 1%
RM0012	R3	1	RES, MF 100 ohms 1/4W 1%
RM0024	R25	1	RES, MF 2.21K 1/4W 1%
RM0031	R36	1	RES, MF 3.32K 1/4W 1%
RM0042	R31	1	RES, MF 681 ohms 1/4W 1%
RM0080	R5,R11	2	RES, MF 825 ohms 1/4W 1%
RM0083	R35	1	RES, MF 1.5K 1/4W 1%
RM0120	R32	1	RES, MF 30.1K 1/4W 1%
RM0144	R33,R34	2	RES, MF 47.5K 1/4W 1%
RM0260	R28	1	RES, MF 1.0M 1/4W 1%
RM0271	R22	1	RES, MF 110K 1/4W 1%
RM0281	R8,R13	2	RES, MF 6.04K 1/4W 1
RM0313	R32	1	RES, MF 6.49K 1/4W 1%
RM0315	R19	1	RES, MF 2.67K 1/4W 1%
RM0369	R7,R12	2	RES, MF 340 ohms 1/4W 1%
RM0370	R21	1	RES, MF 9.31K 1/4W 1%
RM0377	R18	1	RES, MF 3.57K 1/4W 1%
RM0378	R23	1	RES, MF 549 ohms 1/4W 1%
RM0390	R33,R34	2	RES, MF 10.7K 1/4W 1%

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Electrical Parts List (120V) (Cont.)

Part #	Designator	Qty	Description
RP0088	R6	1	POT, C10K DUAL 12MM HOR SEL
RP0087	R17,R20	2	POT, A10K DUAL 12MM HOR SEL
	Miscellaneous		
JH0061	J4	1	CNCTR, HEADER 5PIN
JH0074	J3	1	CNCTR, HEADER 8PIN LOCKING .1C
	PCB, VOLUME (Right)		
MZ0036		1	STANDOFF, 14MM LED 2PIN FOR D1
RM0001	R3	1	RES, MF 1K 1/4W 1%
RM0321	R2	1	RES, MF 1.27K 1/4W 1%
RP0097	R1	1	POT, A10K SINGLE/BRKT D SHAFT
HS0073		2	SCREW, #6-19X3/8 HL PP ZNC USED ON THE RABOS RIGHT HOUSING;
HS0087		4	SCREW, #6-19X1 HL PP ZNC USED ON THE RABOS RIGHT HOUSING;
JC0163A		1	CNCTR, FEM-MAL HARNESS 8P 10" USED ON J3
MM0067		1	MISC, VOL GASKET R INTERMEZZO
MZ0035		4	STANDOFF, 3/8" EXP GROMMET FR
RP0098		1	POT, KNOB INT 2.6 LEVEL RIGHT, R1
	RABOS Assembly Left		
	Semiconductors		
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
UA0010	U2	1	OPAMP, DUAL 8PIN DIL TL082
QB0002	Q3	1	TRANS, NPN 40V .6A TO92 2N4401
QM0035	Q1,Q2	2	JFET, N-CH J111 TO92 TR
DL0014	D1	1	LED, 3MM BICOLOR RED/GR
DS0001	D2,D3	2	RECT, 100mA 75V SIGNAL 1N4148T
	Capacitors		
CE0115	C4,C5	2	CAP, E 1UF 63V 6X11 85C 5MMLS
CF0045	C1,C2,C3	3	CAP, F .1UF 63DC 5% 5MMLS
	Resistors		
RC0148	R30	1	RES, CF 10M 1/4W 5%
RM0001	R27,R29	2	RES, MF 1K 1/4W 1%
RM0002	R1,R2,R4,R10,R15,R16,R24,R26,R37	9	RES, MF 10K 1/4W 1%
RM0003	R9,R14	2	RES, MF 15K 1/4W 1%
RM0012	R3	1	RES, MF 100 ohms 1/4W 1%
RM0024	R25	1	RES, MF 2.21K 1/4W 1%
RM0031	R36	1	RES, MF 3.32K 1/4W 1%
RM0042	R31	1	RES, MF 681 ohms 1/4W 1%
RM0080	R5,R11	2	RES, MF 825 ohms 1/4W 1%
RM0083	R35	1	RES, MF 1.5K 1/4W 1%
RM0260	R28	1	RES, MF 1.0M 1/4W 1%
RM0271	R22	1	RES, MF 110K 1/4W 1%
RM0281	R8,R13	2	RES, MF 6.04K 1/4W 1
RM0313	R32	1	RES, MF 6.49K 1/4W 1%
RM0315	R19	1	RES, MF 2.67K 1/4W 1%

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Electrical Parts List (120V) (Cont.)

Part #	Designator	Qty	Description
RM0369	R7,R12	2	RES, MF 340 ohms 1/4W 1%
RM0370	R21	1	RES, MF 9.31K 1/4W 1%
RM0377	R18	1	RES, MF 3.57K 1/4W 1%
RM0378	R23	1	RES, MF 549 ohms 1/4W 1%
RM0390	R33,R34	2	RES, MF 10.7K 1/4W 1%
RM0001	R3	1	RES, MF 1K 1/4W 1%
RM0321	R2	1	RES, MF 1.27K 1/4W 1%
RP0099	R1	1	POT, C10K SINGLE/BRKT D SHAFT
RP0087	R17,R20	2	POT, A10K DUAL 12MM HOR SEL
RP0088	R6	1	POT, C10K DUAL 12MM HOR SEL
	Miscellaneous		
JH0061	J4	1	CNCTR, HEADER 5PIN
JH0074	J3	1	CNCTR, HEADER 8PIN LOCKING .1C
	PCB, VOLUME (Left)		
MZ0036		1	STANDOFF, 14MM LED 2PIN FOR D1
HS0073		2	SCREW, #6-19X3/8 HL PP ZNC USED ON THE RABOS LEFT HOUSING;
HS0087		4	SCREW, #6-19X1 HL PP ZNC USED ON THE RABOS LEFT HOUSING;
JC0163A		1	CNCTR, FEM HARNESS 8P 10" FOR J3
MM0068		1	MISC, VOL GASKET L INTERMEZZO
MZ0035		4	STANDOFF, 3/8" EXP GROMMET FR
RP0100		1	POT, KNOB INT 2.6 LEVEL LEFT

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Electrical Parts List (230V)

PCB, LINEAR BD

Semiconductors

UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
DS0001	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11	11	RECT, 100mA 75V SIGNAL 1N4148T
QB0017	Q2,Q6	2	TRANS, NPN 150V 0.6A 2N5551TR
QB0018	Q1,Q5	2	TRANS, PNP 150V 0.6A 2N5401TR
QM0034	Q4,Q8	2	MOSFET, IRF9540 TO220AB
QM0036	Q3,Q7	2	MOSFET, IRF530 TO220
QM0054	Q9	1	JFET, N-CH J113 TO92 TR
UV0010	U2	1	VREG, +15V 500MA LM7815CT
UV0011	U3	1	VREG, -15V 500MA LM7915CT

Capacitors

CC0025	C15,C16,C17,C18	4	CAP, CA 1000PF 100V 10%
CC0080	C13,C14	2	CAP, CA 220P 100V 10%
CC0082	C7,C8	2	CAP, CA .1UF 50V 20%
CE0003	C6	1	CAP, E 2.2UF 50V 20% 105C
CE0013	C9,C10	2	CAP, E 47UF 50V 20% 5MMLS
CE0018	C11,C12	2	CAP, E 100UF 25V 20% 5MMLS
CE0106	C19,C20	2	CAP, E 22UF 35V BP 8X11 5MMLS
CE0116	C1	1	CAP, E 2.2UF 50V BP 6X11 5MMLS
CF0092	C2,C3	2	CAP, F 1000PF 100V 5% 5MMLS
CC0097	C4,C5	2	CAP, C 10P 50V 10%

Resistors

RC0273	R19,R20,R35,R36	4	RES, ZERO OHM 1/4W
RM0001	R12,R13,R14,R15,R28,R29,R30,R31	8	RES, MF 1K00 1/4W 1%
RM0002	R1,R2,R5,R6,R22,R38,R41,R42	8	RES, MF 10K0 1/4W 1%
RM0021	R7,R8,R23,R24	4	RES, MF 1K82 1/4W 1%
RM0024	R17,R18,R33,R34	4	RES, MF 2K21 1/4W 1%
RM0027	R21,R37	2	RES, MF 33K2 1/4W 1%
RM0029	R9,R10,R25,R26	4	RES, MF 3K01 1/4W 1%
RM0144	R43	1	RES, MF 47K5 1/4W 1%
RM0180	R16,R32	2	RES, MF 4K99 1/4W 1%
RP0059	R11,R27	2	POT, 2K 8MM TOP ADJ/COVER
RX0048	R39,R40	2	RES, MO 330R 1W 5%

Miscellaneous

JH0016	J7	1	CNCTR, HEADER 2PIN .100CTR
JH0074	J13,J14	2	CNCTR, HEADER 8PIN LOCKING .1C
MM0025	J9,J10	2	MISC, PC MT SCREW TERM 6-32
MT0003	J1	1	TERM, FASTON MALE PCMT 250X032
MT0023	J3,J6	2	TERM, FASTON MALE PCMT 187X032
MT0036	J2	1	TERM, FASTON MALE PCMT 205X032

PCB, CONTROL

Semiconductors

UA0009	U1,U2	2	OPAMP, QUAD 14P DIL TL074/084
UF0012	U4	1	FOTO, 6PIN 4N35
DZ0013	Z1	1	ZENER, 500MW 5.6V 5% 1N5232B

Electrical Parts List (230V) (Cont.)

Part Number	Designator	Qty	Description
Resistors			
RM0001	R37	1	RES, MF 1K00 1/4W 1%
RM0002	R11,R16,R17,R23,R24,R26,R32,R40,R41, R42	10	RES, MF 10K0 1/4W 1%
RM0011	R2,R3	2	RES, MF 100K 1/4W 1%
RM0012	R30	1	RES, MF 100R 1/4W 1%
RM0016	R15,R20,R27,R34,R36	5	RES, MF 13K0 1/4W 1%
RM0024	R22	1	RES, MF 2K21 1/4W 1%
RM0027	R29	1	RES, MF 33K2 1/4W 1%
RM0034	R25	1	RES, MF 4K32 1/4W 1%
RM0035	R74	1	RES, MF 4K75 1/4W 1%
RM0038	R12	1	RES, MF 56K2 1/4W 1%
RM0039	R9,R38,R39	3	RES, MF 5K11 1/4W 1%
RM0042	R8,R31	2	RES, MF 681R 1/4W 1%
RM0066	R21	1	RES, MF 221R 1/4W 1%
RM0114	R6,R35	2	RES, MF 22K1 1/4W 1%
RM0119	R13,R18,R28	3	RES, MF 27K4 1/4W 1%
RM0258	R7	1	RES, MF 221K 1/4W 1%
RM0265	R10	1	RES, MF 130K 1/4W 1%
RM0298	R4,R5	2	RES, MF 37K4 1/4W 1%
RM0379	R19	1	RES, MF 23K2 1/4W 1%
RC0192	R43	1	RES, CF 2K0 1/2W 5%
RM0404	R1	1	RES, MF 54R9 1/4W 1%
Capacitors			
CE0003	C35,C36	2	CAP, E 2.2UF 50V 20% 105C
CF0014	C13,C15	2	CAP, F 3300PF 63V 5% 5MMLS
CF0035	C4	1	CAP, F .022UF 100V 5% 5MMLS
CF0045	C6,C18,C19	3	CAP, F .1UF 63DC 5% 5MMLS
CF0055	C2,C16	2	CAP, F .22UF 63V 5% 5MMLS
CF0087	C8,C9	2	CAP, F .015UF 100V 5% 5MMLS
CF0088	C5,C10,C11	3	CAP, F .01UF 100V 5% 5MMLS
CF0105	C17	1	CAP, F .15UF 63V 5% 5MMLS
CF0118	C20,C21	2	CAP, F .33UF 63V 10% 5MMLS
CF0134	C3	1	CAP, F 8200PF 100V 5% 5MMLS
CF0144	C37	1	CAP, F .082UF 63DC 5% 5MMLS
CF0147	C14	1	CAP, F 5600PF 50V 5% 5MMLS
CF0149	C7	1	CAP, F 560PF 63V 10% 5MMLS
CF0104	C12	1	CAP, F 1UF 63V 5% 5MMLS
RC0273	C1	1	RES, ZERO OHM 1/4W
Miscellaneous			
JC0064	J4	1	CNCTR, DC POWER JACK 2MM DIA
JC0081	J3	1	CNCTR, 10PIN (5X2) .1CTR
JC0094	J2	1	CNCTR, 2PIN GOLD PC MT
JH0074	J1	1	CNCTR, HEADER 8PIN LOCKING .1C
MM0025	J5	1	MISC, PC MT SCREW TERM 6-32
MT0003	J7	1	TERM, FASTON MALE PCMT 250X032
MT0031	J6	1	TERM, FASTON MALE PCMT 205X020
SR0017	S1,S2	2	SWITCH, 2 POLE 2PDT

Electrical Parts List (230V) (Cont.)

Part Number	Designator	Qty	Description
PCB, POWER SUPPLY			
Semiconductors			
DR0086	D6,D7	2	RECT, 1A 600V ULTRAFAST MUR160
DS0001	D2,D10	2	RECT, 100mA 75V SIGNAL 1N4148T
DS0002	D5,D8,D9	3	RECT, 100MA 200V SIGNAL 1N3070
DZ0004	Z1	1	ZENER, 500mW 18V 5% 1N5248B
DZ0021	Z2,Z3,Z4,Z5	4	ZENER, 500MW 15V 5% 1N5245B
QB0002	Q2	1	TRANS, NPN 40V .6A TO92 2N4401
QB0014	Q6	1	TRANS, PNP TO92 MPSA92TR
QB0017	Q3	1	TRANS, NPN 150V 0.6A 2N5551TR
DD0003	D4	1	RECT, 1A2 60V DIAC
DR0026	D3	1	RECT, 16A 200V CATHODE FEP16DT
DR0087	D1	1	RECT, 15A 200V ULTRA MUR1540
HC1011	U1	1	HYBRID, THK FILM HC BUCK CNTR
QM0004	Q4,Q5	2	MOSFET, IRF740 TO220AB
QM0020	Q1	1	MOSFET, IRF540 TO220AB
Capacitors			
CC0025	C2	1	CAP, CA 1000PF 100V 10%
CC0040	C11	1	CAP, CA 4700PF 100V 10%
CC0059	C3,C4,C5,C18	4	CAP, CA .1UF 100V 20%
CE0013	C12,C13	2	CAP, E 47UF 50V 20% 5MMLS
CE0098	C7	1	CAP, E 22UF 50V 20% 5X11 5MMLS
CF0093	C8,C9	2	CAP, F 4700PF 100V 5% 5MMLS
CF0151	C21,C22,C24,C25	4	CAP, F .1UF 250V 10% 5MMLS
CC0130	C16	1	CAP, CY1 4700PF 250V 20% .4LS
CE0036	C19,C20	2	CAP, E 470UF 200V 20% 22X40
CE0110	C6	1	CAP, E 1000UF 100V 18X40
CF0146	C10	1	CAP, F 6.8UF 250V 10% 27MMLS
Resistors			
RC0082	R22	1	RES, CF 100K 1/2W 5%
RC0128	R35	1	RES, CF 33K 1/4W 5%
RC0136	R30	1	RES, CF 160K 1/4W 5%
RC0273	R33	1	RES, ZERO OHM 1/4W
RM0001	R23	1	RES, MF 1K00 1/4W 1%
RM0002	R8	1	RES, MF 10K0 1/4W 1%
RM0035	R11	1	RES, MF 4K75 1/4W 1%
RM0039	R6	1	RES, MF 5K11 1/4W 1%
RM0070	R12	1	RES, MF 301R 1/4W 1%
RM0075	R15,R16,R18,R19	4	RES, MF 475R 1/4W 1%
RM0111	R7	1	RES, MF 17K8 1/4W 1%
RM0123	R5	1	RES, MF 36K5 1/4W 1%
RM0198	R24	1	RES, MF 205K 1/4W 1%
RM0260	R10	1	RES, MF 1M0 1/4W 1%
RM0339	R3,R13,R25,R34	4	RES, MF 10R 0.6W 1% FLAMEPROOF
RM0340	R17,R20	2	RES, MF 22R 0.6W 1% FLAMEPROOF
RX0046	R29	1	RES, MO 47K 1W 5%
RX0072	R4	1	RES, MO 100R 1W 5%
KS0020	R26	1	SURGISTOR, 10R 2A CL-110
RW0022	R1,R2	2	RES, WW 0R1 2W 5%

Electrical Parts List (230V) (Cont.)

Part Number	Designator	Qty	Description
Miscellaneous			
480007	J1	1	SUB, #18B 4 187X032/1/4 STRP
480029	J2	1	SUB, #18R 4 187X032/1/4STRP
500104		1	XFMR, POWER 100V HC TRAN ETD39
540134	L1	1	IND, 26UH UPRIGHT AIR YT9415
BF0007	L2	1	BEAD, FERRITE
JH0074	J6	1	CNCTR, HEADER 8PIN LOCKING .1C
MM0025	J7,J8,J9,J10	4	MISC, PC MT SCREW TERM 6-32
MT0023	J4,J5	2	TERM, FASTON MALE PCMT 187X032
PCB, FEATURE			
Semiconductors			
UA0003	U2,U3	2	OPAMP, QUAD 14PIN DIL LM324N
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
DS0001	D1,D2,D3,D4,D5,D6,D7,D8,D9	9	RECT, 100mA 75V SIGNAL 1N4148T
DZ0003	Z2	1	ZENER, 500mW 13V 5% 1N5243B
DZ0021	Z1	1	ZENER, 500MW 15V 5% 1N5245B
QM0035	Q1	1	JFET, N-CH J111 TO92 TR
Capacitors			
CC0020	C1	1	CAP, CA 470PF 100V 5%
CC0025	C3	1	CAP, CA 1000PF 100V 10%
CC0072	C13	1	CAP, CA 100PF 100V NPO 10%
CC0082	C2	1	CAP, CA .1UF 50V 20%
CC0108	C12	1	CAP, CA 22PF 50V 10%
CE0013	C4	1	CAP, E 47UF 50V 20% 5MMLS
CE0103	C11	1	CAP, E 100UF 35V 85DEG 5MMLS
CF0088	C6,C7,C9,C10	4	CAP, F .01UF 100V 5% 5MMLS
Resistors			
RC0290	R9	1	RES, CF 9M1 1/4W 5%
RM0001	R13	1	RES, MF 1K00 1/4W 1%
RM0002	R11,R15,R27,R28,R29	5	RES, MF 10K0 1/4W 1%
RM0003	R1,R18	2	RES, MF 15K0 1/4W 1%
RM0011	R2,R22,R26	3	RES, MF 100K 1/4W 1%
RM0016	R24	1	RES, MF 13K0 1/4W 1%
RM0024	R10	1	RES, MF 2K21 1/4W 1%
RM0031	R7	1	RES, MF 3K32 1/4W 1%
RM0075	R8	1	RES, MF 475R 1/4W 1%
RM0079	R25	1	RES, MF 750R 1/4W 1%
RM0085	R21	1	RES, MF 2K00 1/4W 1%
RM0113	R12	1	RES, MF 20K0 1/4W 1%
RM0136	R5	1	RES, MF 150K 1/4W 1%
RM0156	R20	1	RES, MF 392K 1/4W 1%
RM0171	R6	1	RES, MF 475K 1/4W 1%
RM0188	R23	1	RES, MF 499R 1/4W 1%
RM0194	R16,R17,R19,R45	4	RES, MF 158K 1/4W 1%
RM0381	R14	1	RES, MF 21K0 1/4W 1%

Electrical Parts List (230V) (Cont.)

Part Number	Designator	Qty	Description
Miscellaneous			
JH0061	J1	2	CNCTR, HEADER 5PIN
JH0074	J3	1	CNCTR, HEADER 8PIN LOCKING .1C
PCB, EMI FILTER			
DB0009	D5	1	RECT, 6A 400V BRIDGE
KV0001	Z4	1	VARISTOR, 275V 100J .6W
CF0057	C1,C2	2	CAP, FX .22UF 250V 10%
RC0004	R23	1	RES, CF 1M0 1/4W 5%
480028	J7	1	SUB, #18R 6 187X032/1/4STRP
480046	J8	1	SUB, #18B 5 187X032/1/4STRP
540124	L1	1	IND, CM CHOKE YT7271
MT0023	J5,J6	2	TERM, FASTON MALE PCMT 187X032
PCB, RABOS LEFT			1
Semiconductors			
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
UA0010	U2	1	OPAMP, DUAL 8PIN DIL TL082
QB0002	Q3	1	TRANS, NPN 40V .6A TO92 2N4401
QM0035	Q1,Q2	2	JFET, N-CH J111 TO92 TR
Resistors			
RC0148	R30	1	RES, CF 10M 1/4W 5%
RM0001	R27,R29	2	RES, MF 1K00 1/4W 1%
RM0002	R1,R2,R4,R10,R15,R16,R24,R26,R37	9	RES, MF 10K0 1/4W 1%
RM0003	R9,R14	2	RES, MF 15K0 1/4W 1%
RM0012	R3	1	RES, MF 100R 1/4W 1%
RM0024	R25	1	RES, MF 2K21 1/4W 1%
RM0031	R36	1	RES, MF 3K32 1/4W 1%
RM0042	R31	1	RES, MF 681R 1/4W 1%
RM0080	R5,R11	2	RES, MF 825R 1/4W 1%
RM0083	R35	1	RES, MF 1K50 1/4W 1%
RM0260	R28	1	RES, MF 1M0 1/4W 1%
RM0271	R22	1	RES, MF 110K 1/4W 1%
RM0281	R8,R13	2	RES, MF 6K04 1/4W 1%
RM0313	R32	1	RES, MF 6K49 1/4W 1%
RM0315	R19	1	RES, MF 2K67 1/4W 1%
RM0369	R7,R12	2	RES, MF 340R 1/4W 1%
RM0370	R21	1	RES, MF 9K31 1/4W 1%
RM0377	R18	1	RES, MF 3K57 1/4W 1%
RM0378	R23	1	RES, MF 549R 1/4W 1%
RM0390	R33,R34	2	RES, MF 10K7 1/4W 1%
RP0087	R17,R20	2	POT, A10K DUAL 12MM HOR 5%
RP0088	R6	1	POT, C10K DUAL -10% MID 1.5K
Capacitors			
CE0115	C4,C5	2	CAP, E 1UF 63V 6X11 85C 5MMLS
CF0045	C1,C2,C3	3	CAP, F .1UF 63DC 5% 5MMLS

Electrical Parts List (230V) (Cont.)

Miscellaneous			
JH0061	J4	1	CNCTR, HEADER 5PIN
JH0074	J3	1	CNCTR, HEADER 8PIN LOCKING .1C
PCB, VOLUME LEFT			
Semiconductors			
DL0014	D1	1	LED, 3MM BICOLOR RED/GR
DS0001	D2,D3	2	RECT, 100mA 75V SIGNAL 1N4148T
Resistors			
MZ0036		1	STANDOFF, 14MM LED 2PIN USED WITH D1
RM0001	R3	1	RES, MF 1K00 1/4W 1%
RM0321	R2	1	RES, MF 1K27 1/4W 1%
RP0097	R1	1	POT, A10K SINGLE/BRKT D SHAFT
Miscellaneous			
HS0073		2	SCREW, #6-19X3/8 HL PP ZNC USED ON THE RABOS LEFT HOUSING
HS0087		4	SCREW, #6-19X1 HL PP ZNC USED ON THE RABOS LEFT HOUSING
JC0165		1	CNCTR, FEM-FEM HARNESS 8P 12 USED ON J3
MM0075		1	MISC, RUBBER GROMMET RABOS HSG AT OPENING OF PLASTIC HOUSING FOR RIBBON CABLE.
MZ0034		4	STANDOFF, 3/8 SPACER NYLON USED ON THE VOLUME BOARD
RABOS CUP 2.6L		1	CUP, RABOS INTERMEZZO 2.6 LEFT REVISION B; COMPLETE WITH GASKET
RP0100		1	POT, KNOB INT 2.6 LEVEL LEFT
PCB, RABOS RIGHT			
Semiconductors			
UA0009	U1	1	OPAMP, QUAD 14P DIL TL074/084
UA0010	U2	1	OPAMP, DUAL 8PIN DIL TL082
QB0002	Q3	1	TRANS, NPN 40V .6A TO92 2N4401
QM0035	Q1,Q2	2	JFET, N-CH J111 TO92 TR
Resistors			
RC0148	R30	1	RES, CF 10M 1/4W 5%
RM0001	R27,R29	2	RES, MF 1K00 1/4W 1%
RM0002	R1,R2,R4,R10,R15,R16,R24,R26,R37	9	RES, MF 10K0 1/4W 1%
RM0003	R9,R14	2	RES, MF 15K0 1/4W 1%
RM0012	R3	1	RES, MF 100R 1/4W 1%
RM0024	R25	1	RES, MF 2K21 1/4W 1%
RM0031	R36	1	RES, MF 3K32 1/4W 1%
RM0042	R31	1	RES, MF 681R 1/4W 1%
RM0080	R5,R11	2	RES, MF 825R 1/4W 1%
RM0083	R35	1	RES, MF 1K50 1/4W 1%
RM0260	R28	1	RES, MF 1M0 1/4W 1%
RM0271	R22	1	RES, MF 110K 1/4W 1%
RM0281	R8,R13	2	RES, MF 6K04 1/4W 1%

Electrical Parts List (230V) (Cont.)

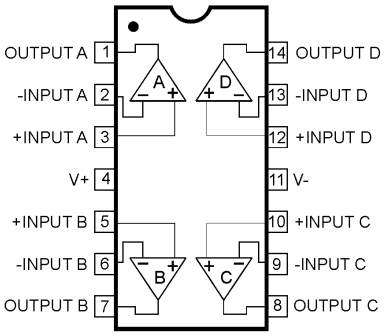
Part Number	Designator	Qty	Description
RM0313	R32	1	RES, MF 6K49 1/4W 1%
RM0315	R19	1	RES, MF 2K67 1/4W 1%
RM0369	R7,R12	2	RES, MF 340R 1/4W 1%
RM0370	R21	1	RES, MF 9K31 1/4W 1%
RM0377	R18	1	RES, MF 3K57 1/4W 1%
RM0378	R23	1	RES, MF 549R 1/4W 1%
RM0390	R33,R34	2	RES, MF 10K7 1/4W 1%
RP0087	R17,R20	2	POT, A10K DUAL 12MM HOR 5%
RP0088	R6	1	POT, C10K DUAL -10% MID 1.5K
Capacitors			
CE0115	C4,C5	2	CAP, E 1UF 63V 6X11 85C 5MMLS
CF0045	C1,C2,C3	3	CAP, F .1UF 63DC 5% 5MMLS
Miscellaneous			
JH0061	J4	1	CNCTR, HEADER 5PIN
JH0074	J3	1	CNCTR, HEADER 8PIN LOCKING .1C
PCB, VOLUME RIGHT			
Semiconductors			
DL0014	D1	1	LED, 3MM BICOLOR RED/GR
DS0001	D2,D3	2	RECT, 100mA 75V SIGNAL 1N4148T
Resistors			
MZ0036		1	STANDOFF, 14MM LED 2PIN USED WITH D1
RM0001	R3	1	RES, MF 1K00 1/4W 1%
RM0321	R2	1	RES, MF 1K27 1/4W 1%
RP0099	R1	1	POT, C10K SINGLE/BRKT D SHAFT
Miscellaneous			
HS0073		2	SCREW, #6-19X3/8 HL PP ZNC USED ON THE RABOS RIGHT HOUSING
HS0087		4	SCREW, #6-19X1 HL PP ZNC USED ON THE RABOS RIGHT HOUSING
JC0165		1	CNCTR, FEM-FEM HARNESS 8P 12 USED ON J3
MM0075		1	MISC, RUBBER GROMMET RABOS HSG AT OPENING OF PLASTIC HOUSING FOR RIB-BON CALBE.
MZ0034		4	STANDOFF, 3/8 SPACER NYLON USED ON THE VOLUME BOARD
RABOS CUP 2.6R			1 CUP, RABOS INTERMEZZO 2.6 RIGHT REVISION B; COMPLETE WITH GASKET
RP0098		1	POT, KNOB INT 2.6 LEVEL RIGHT
Miscellaneous			
480023		1	SUB, #18B 3 1/4 STRIP BOTH 1PC FROM POWER SWITCH TO FUSE HOLDER
480119		2	SUB, #16B 20 205X032/205X032 J2 ON PCB 650023; XOVER WIRE -
480120		1	SUB, #16R 20 250X032/250X032 J1 ON PCB 650023

Electrical Parts List (230V) (Cont.)

Part Number	Designator	Qty	Description
480126		1	SUB, #16R 20 250X032/250X032M XOVER +
480142		4	SUB, #18B 3 187X032/1/4 STRP 1PC FROM IEC CONNECTOR TO SWITCH; 1PC FROM IEC CONNECTOR TO FUSE HOLDER; 2PC FROM SWTICH TO EMI BOARD
810056		7	HTSNK, FET CLIP .9X.5X.2 3PER USED ON D1,D3,Q1 ON MAIN BOARD; 4PER USED ON Q3,Q4,Q7,Q8 ON LINEAR BOARD
810066		2	HTSNK, FET CLIP HPS SERIES USED Q4,Q5 ON MAIN BOARD
810091		1	HTSNK, FET SECONDARY RP5 USED ON MAIN BOARD
810092		1	HTSNK, FET PRIMARY RP5 USED ON MAIN BOARD
930051		1	COVER, PWR SUPPLY PLASTIC 2.6 FIN-GER SHIELD
FS0023		1	FUSE, 1.25A 250V 5MMX20MM SLOW
HS0004		5	SCREW, #6-32X1/4 PAN PHIL ZNP 1PER USED ON 600078 BOARD; 4PER USED ON MM0025;
HS0012		6	SCREW, #4-40X1/2 100 PHIL ZNP USED ON THE FRONT PANEL
HS0054		2	SCREW, #4-1/2 TYPE AB PP BLK USED ON J2
HS0062		7	SCREW, #6-1/2 TYPE B PP BLK USED ON FETS
HS0066		2	SCREW, #6-32X1/2 PAN PHIL BLK WAVE-ABLE BRACKET ON MAIN BOARD CLOSE TO LOCATION C9 AND R27
HS0067		8	SCREW, #6-3/8 TYPE A PP BLK 7PER USED ON MZ0030; 1PER USED ON J5 FEATURE
INTERMEZZO 2.6H		1	MAIN ENCLOSURE INTERMEZZO 2.6
INTRMEZZO 2.6PE		1	MAIN PLATE INTERMEZZO 2.6E
JC0071		1	CNCTR, FEM-FEM HARNESS 8PIN 9 USED ON FEATURE BOARD
JC0111		1	CNCTR, 8PIN RIBBON CABLE 3 FROM LIN-EAR BOARD TO CLASS D BOARD
JC0129		1	CNCTR, AC IEC SOCKET .250 2PIN ON THE FRONT PANEL
JC0165		1	CNCTR, FEM-FEM HARNESS 8P 12 USED ON THE FEATURE BOARD
JH0091		1	CNCTR, HEADER 16P(8X2) .1CTR
MS0005		8	SILPAD, .009 .3C/W TO3P 3PER ON THE MAIN BOARD; 4PER ON THE LINEAR BOARD; 1PC USED ON Q4
MZ0030		7	STANDOFF, 3/8 NYLON 4PC USED ON 600078 BOARD; 3PC USED ON 620008 BOARD
MZ0037		3	STANDOFF, 13/16 LOCK BOTH END USED ON THE MEZZINE BOARD
SR0006		2	SWITCH, CAP FOR SR0005 FOR SWITCH SR0005
SR0032		1	SWITCH, ROCKER TV5

Integrated Circuit Diagrams

TLO74/TL084, LM324N
U1-U3



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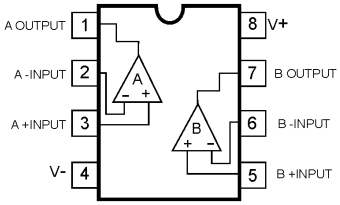
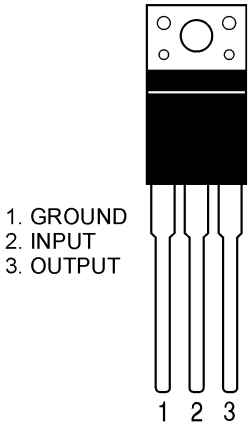
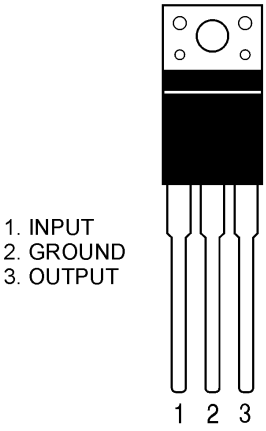


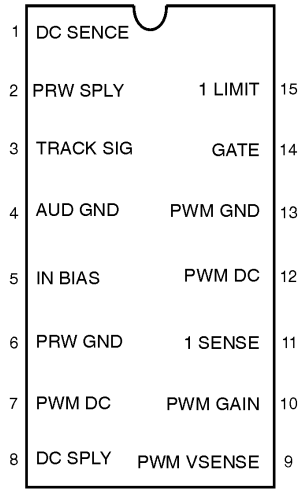
-15V REGULATOR
7915, U3



+15V REGULATOR
7815, U2



BASH CONTROLLER, U1



MOSFET, TO220AB,
IRF9540, IRF530, IRF540, IRF740,
Q1,Q3,Q4,Q5,Q7,Q8

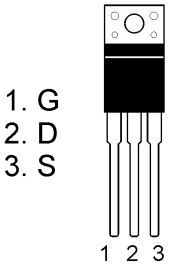
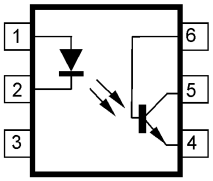
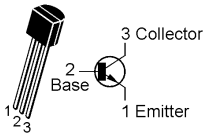


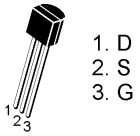
FOTO
4N35, U4



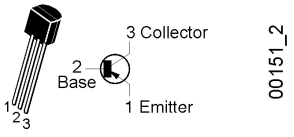
TRANS, NPN
2N4401, 2N5551TR,
Q2,Q3,Q6



JFET, TO92
J111, J113,
Q1-2,Q9

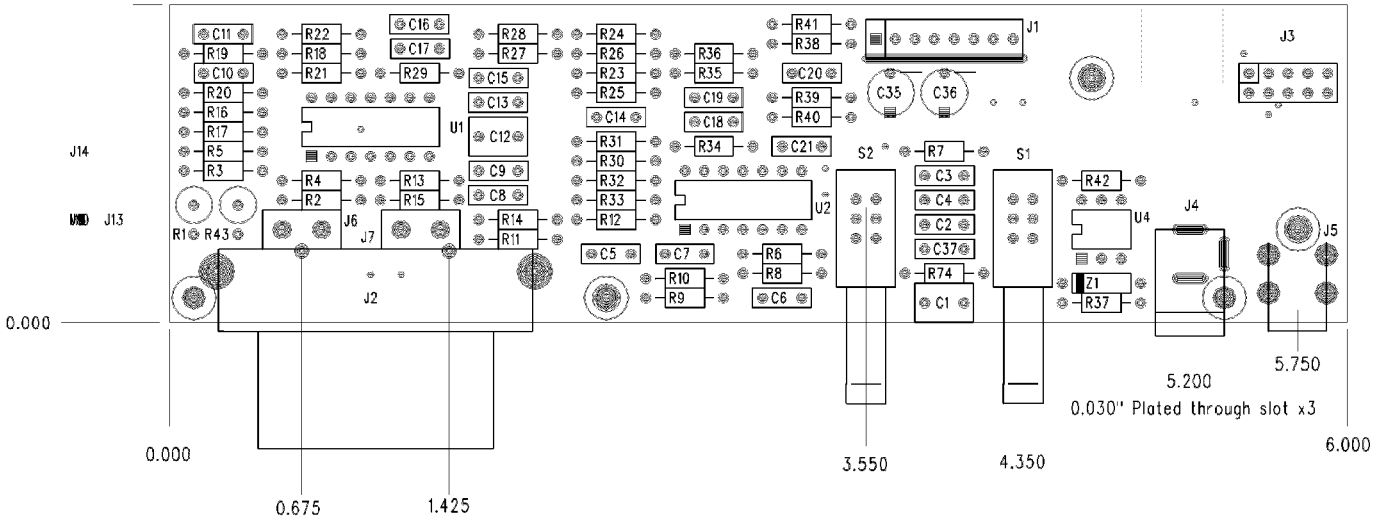


TRANS, PNP, TO92,
2N5401TR, MPSA92TR,
Q1,Q5,Q6

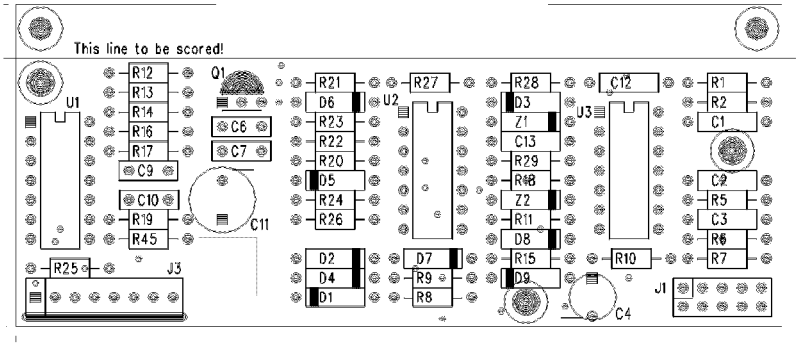


Printed Circuit Board Diagrams

CONTROL PCB

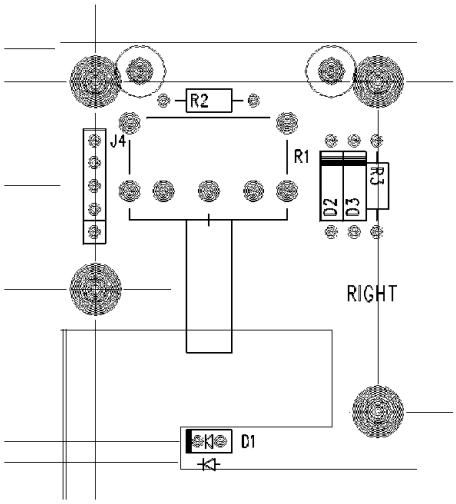


FEATURE PCB

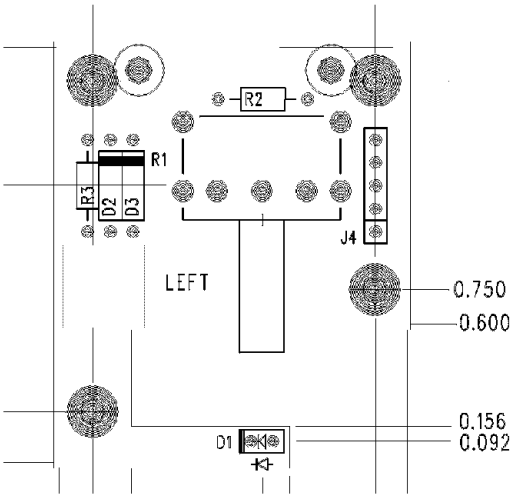


Printed Circuit Board Diagrams (Cont.)

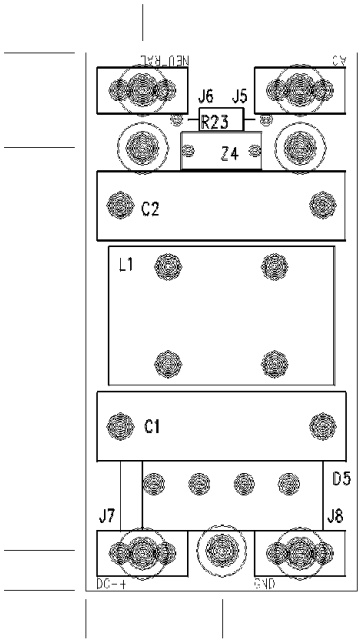
RIGHT - GAIN CTRL. PCB



LEFT - GAIN CTRL. PCB

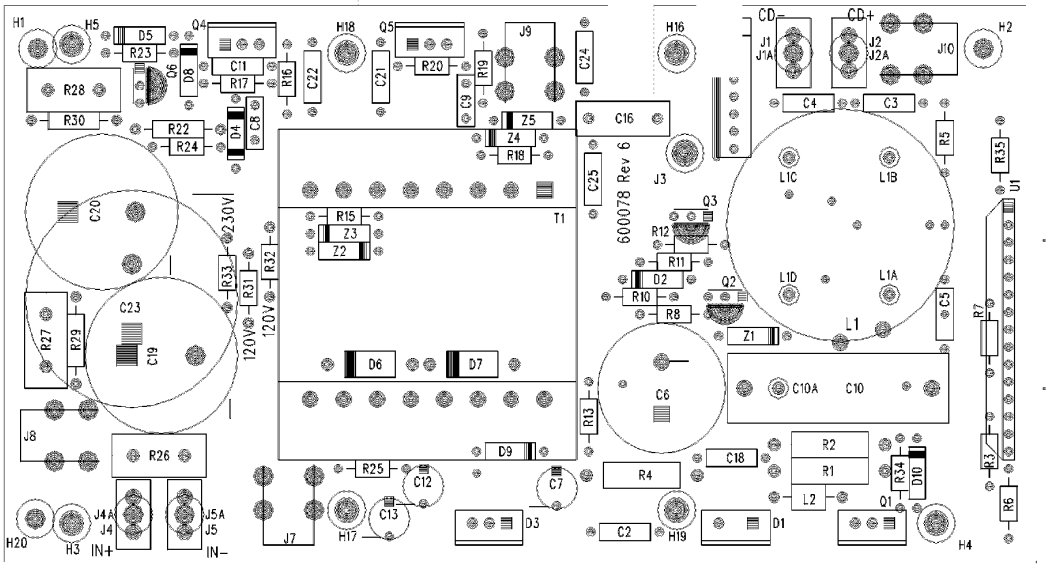


AC FILTER PCB



Printed Circuit Board Diagrams (Cont.)

POWER SUPPLY PCB

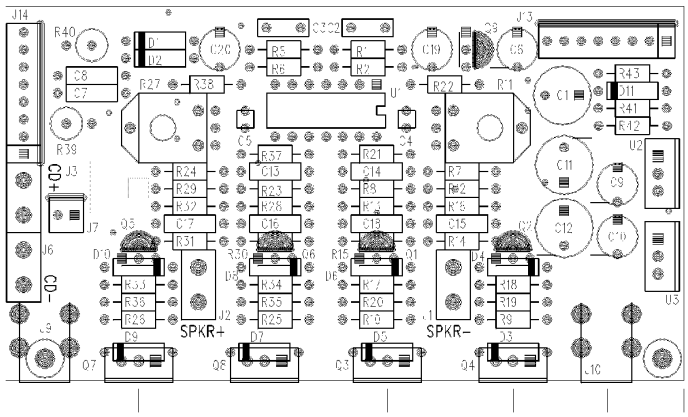


REV	REVISION HISTORY	DATE
A	First trial	Sep 30 99
B	Add C24,C25,L2,Q6	Nov 8 99
3	Add D10,R34 PRODUCTION RELEASE	Nov 23 99
4	Add 5 Mounting holes H16,H17,H18,H19,H20	Jan 7 2000
5	Add R35 Change hole size J7,J8,J9,10	Feb 29 2000
6	Connect pin 6 & 7	Mar 23 2000

5.475"

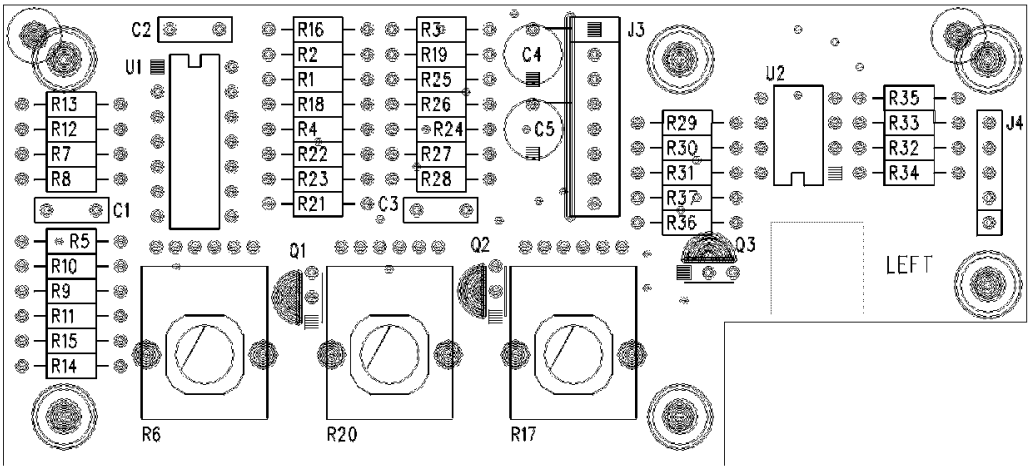
6.000"

AMPLIFIER PCB

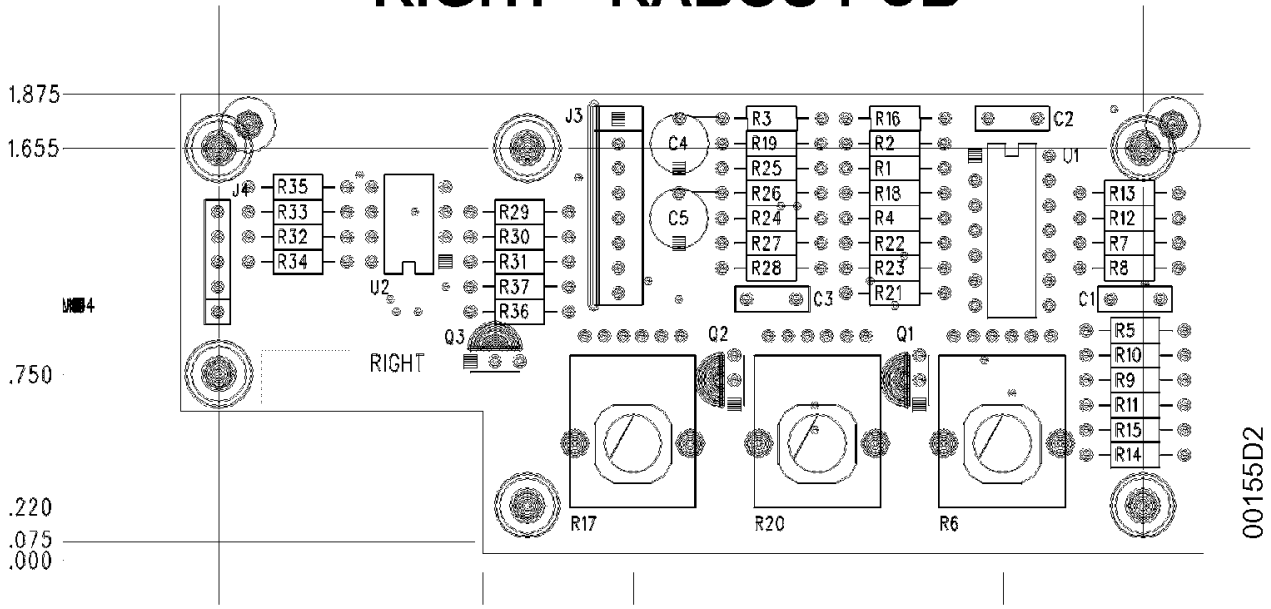


Printed Circuit Board Diagrams (Cont.)

LEFT - RABOS PCB



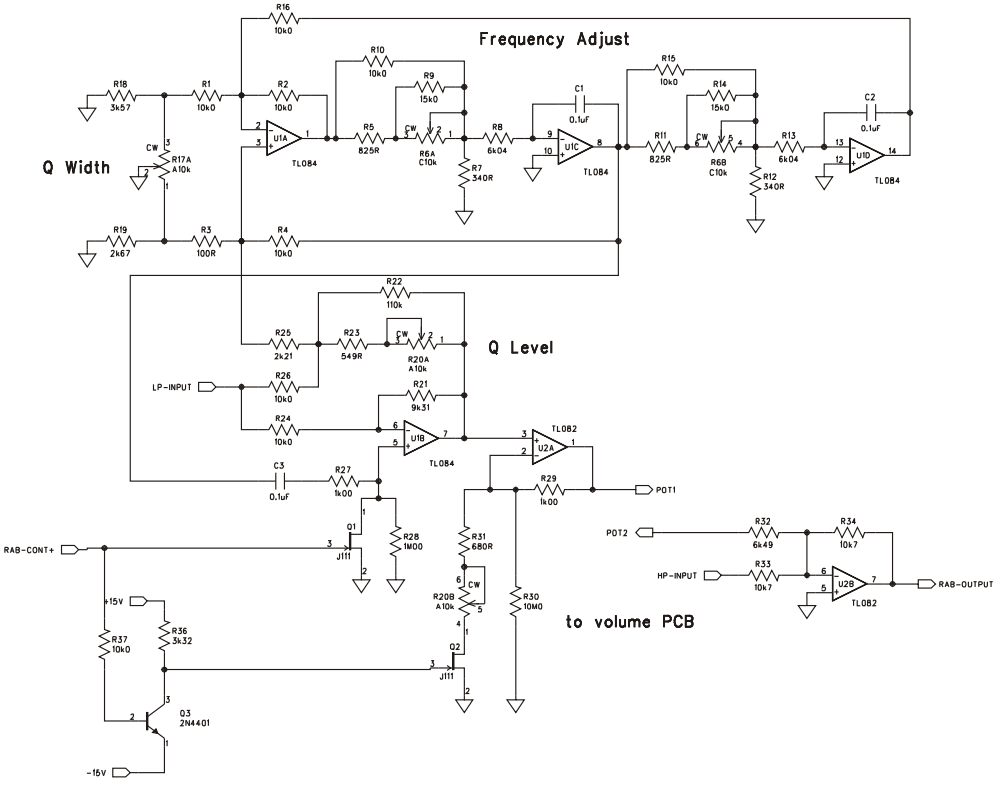
RIGHT - RABOS PCB

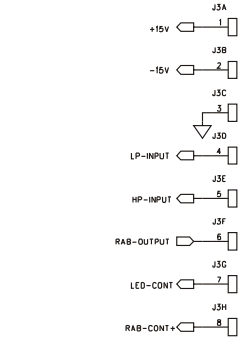


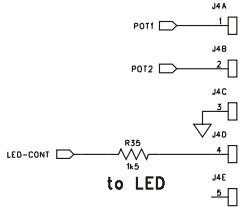
Infinity

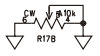
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

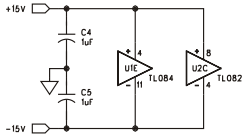
250W RABOS MAIN BOARD









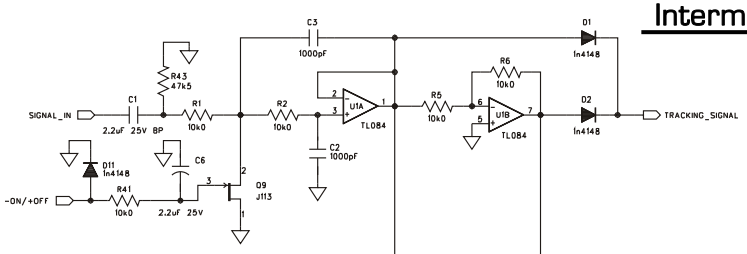


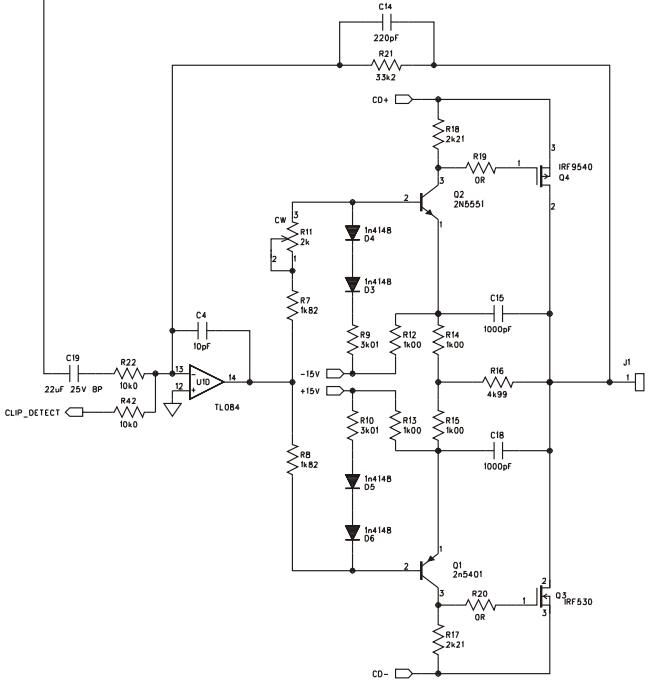
DRAWN: Doug Hansen	DATED: Oct.12.99	TITLE: 250W Rabos Main Board	
CHECKED:	DATED:		
QUALITY CONTROL:	DATED:	PCB: 630057 R4(Rt) 630058 R4(Lt)	SIZE:
RELEASED:	DATED:	SCALE:	REV: 05

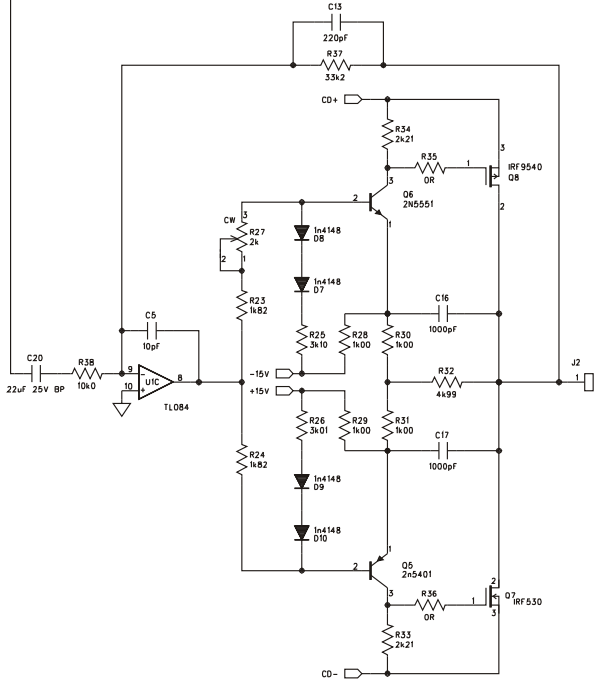
Infinity

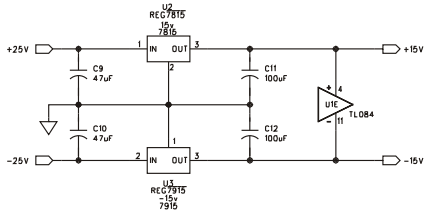
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

LINEAR PCB

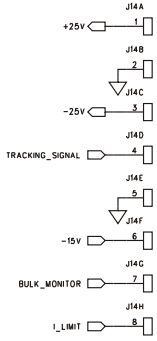




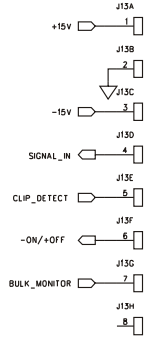




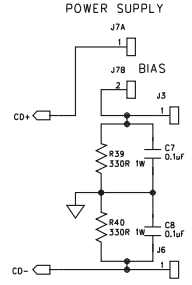
CLASS D

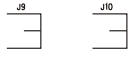


FEATURE



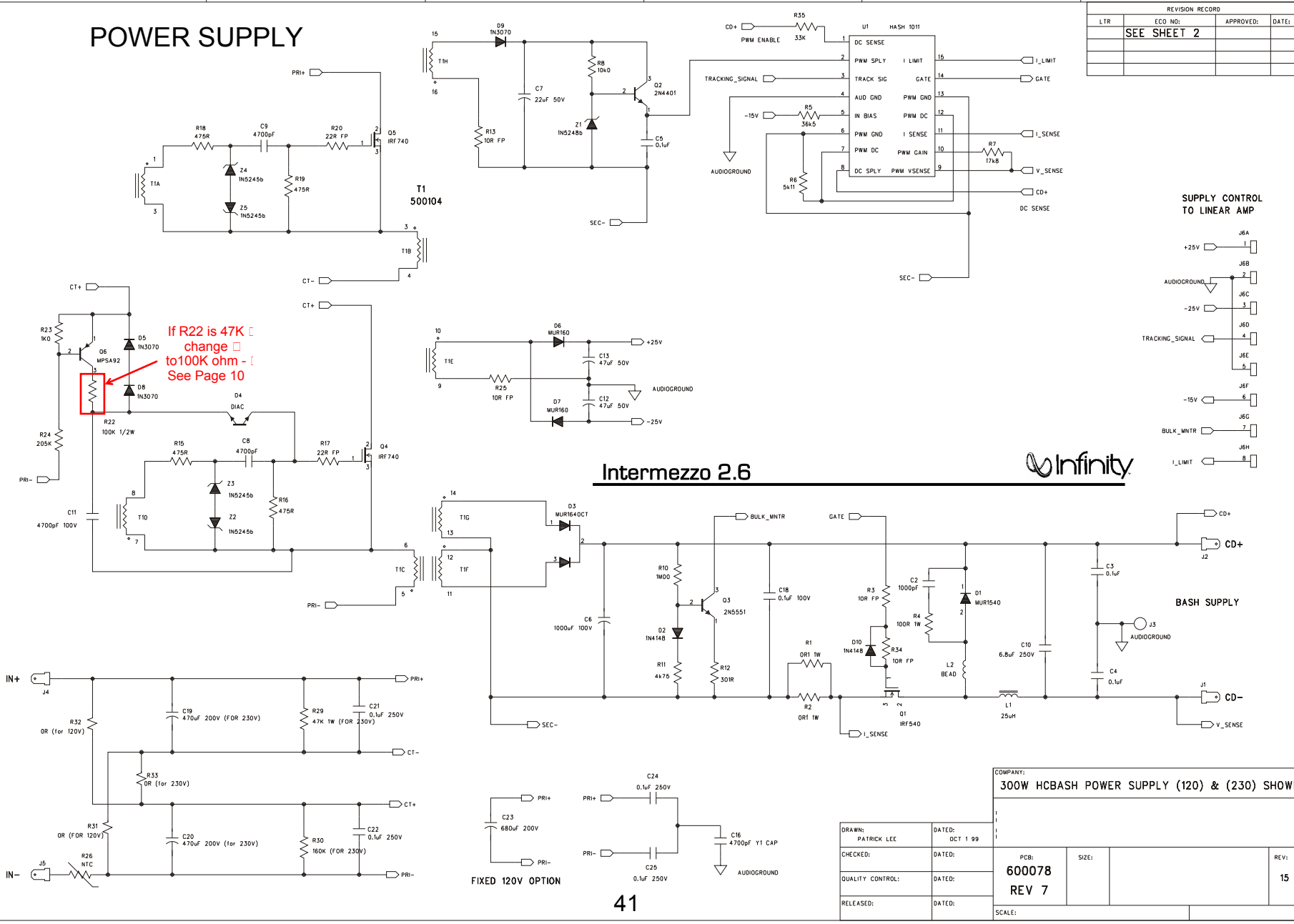
POWER SUPPLY





DR	DATED: Oct.13.99	COMPANY:	
CHECKED:	DATED:	TITLE: Linear PCB Intermezzo 2.6B	
QUALITY CONTROL:	DATED:	CODE:	SIZE:
RELEASED:	DATED:	DRAWING NO: SH001906	REV: 06
		SCALE:	

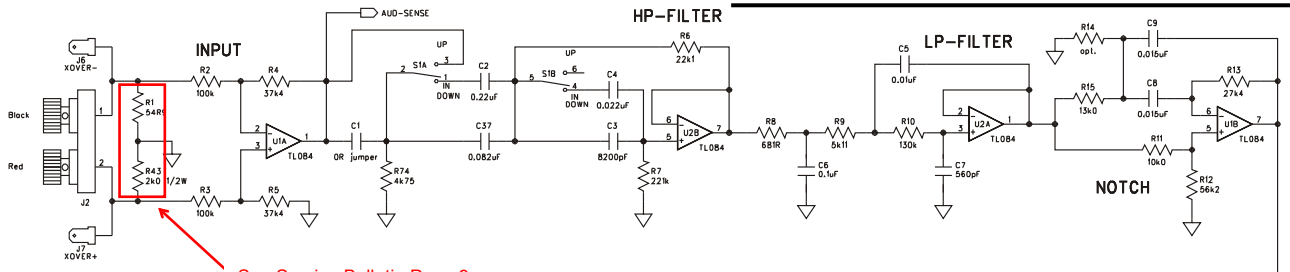
POWER SUPPLY



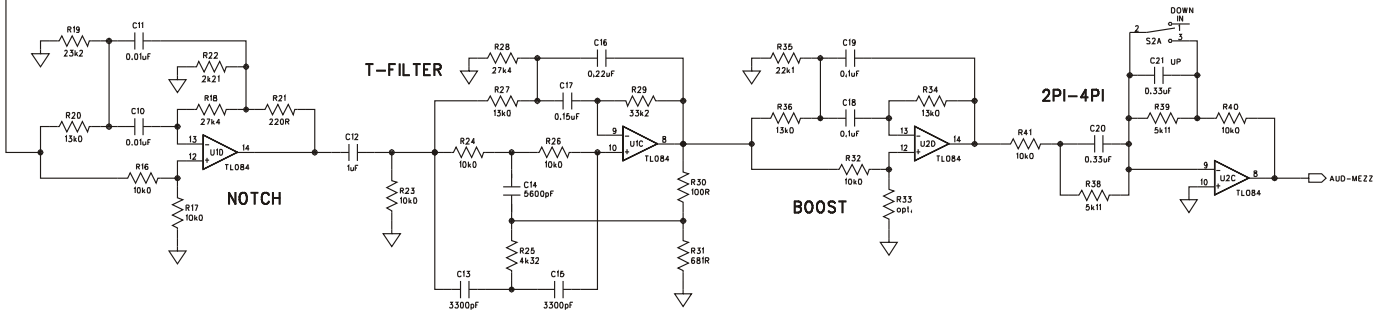
Intermezzo 2.6

Infinity

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
	see sheet 2		

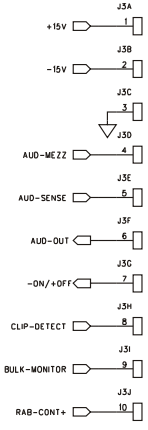


See Service Bulletin Page 9

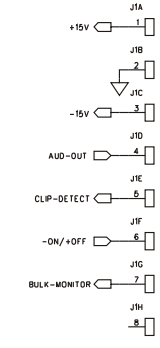


250W FEATURE BOARD

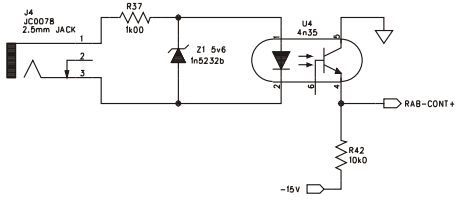
To Mezzanine

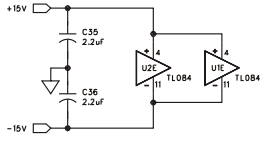


TO AMPLIFIER

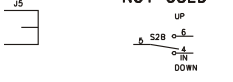


RABOS CONTROL





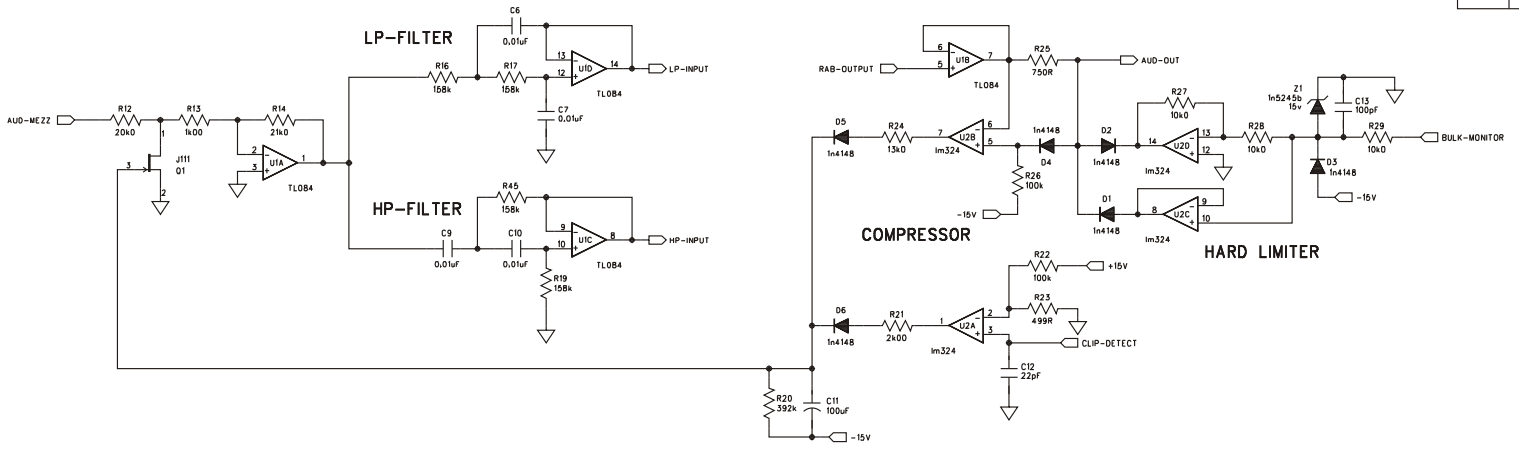
NOT USED



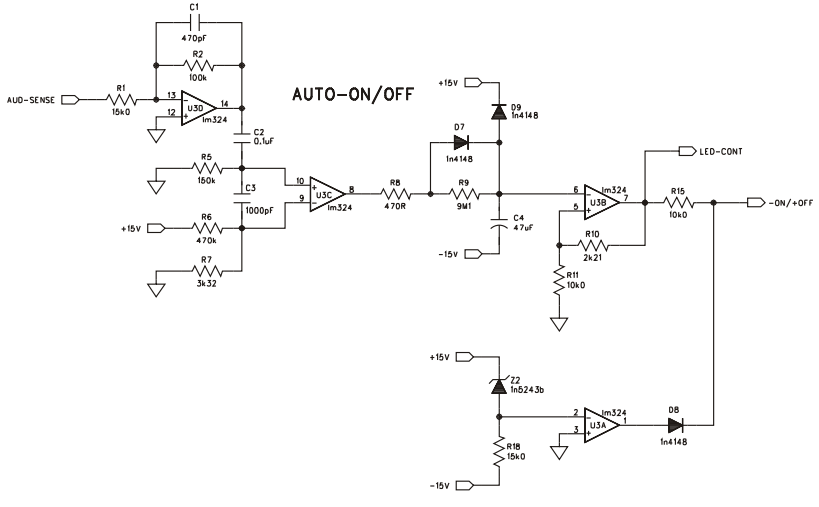
DR	DATED: Oct.12.99	TITLE: Intermezzo 250W Feature Board			
CHECKED:	DATED:	PCB: 630059 Rev 2	SIZE:	DRAWING NO:	REV: 08
QUALITY CONTROL:	DATED:				
RELEASED:	DATED:	SCALE:			

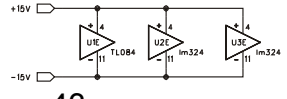
250W FEATURE MEZZANINE BOARD

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



Intermezzo 2.6





From Feature

J1A +15V
J1B -15V
J1C
J1D AUD-MEZZ
J1E AUD-SENSE
J1F AUD-OUT
J1G -ON/+OFF
J1H CLIP-DETECT
J1I BULK-MONITOR
J1J RAB-CONT+

TO RABOS

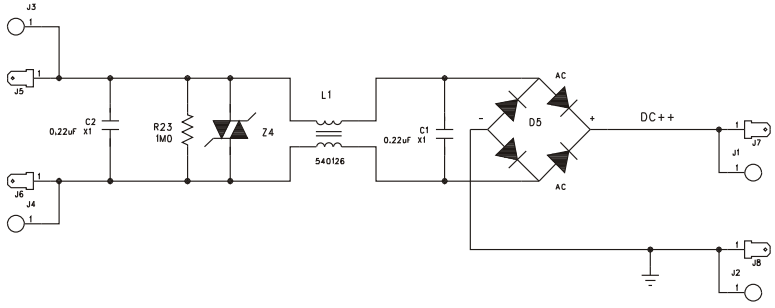
J3A +15V
J3B -15V
J3C
J3D LP-INPUT
J3E HP-INPUT
J3F RAB-OUTPUT
J3G LED-CONT
J3H RAB-CONT+

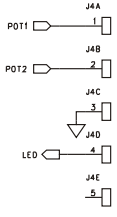
DR	DATED: Oct.12.99	TITLE: 250W Feature Mezzanine Board			
CHECKED:	DATED:				
QUALITY CONTROL:	DATED:	PCB: 630060 Rev 3	SIZE:	DRAWING NO:	REV: 05
RELEASED:	DATED:	SCALE:		SHEET: 1 OF 1	

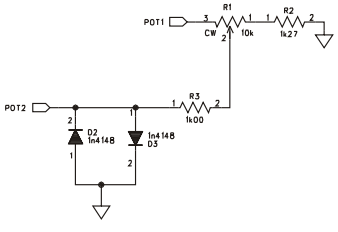
Infinity

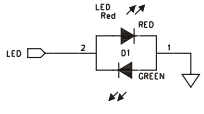
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

RABOS VOLUME and EMI BOARD









	DATED: Oct.13.99	TITLE: 250W AC-DC and EMI Board			
CHECKED:	DATED:	PCB: 620008 Rev 2	SIZE:		REV: 02
QUALITY CONTROL:	DATED:				
RELEASED:	DATED:	SCALE:			

Rev.	Date	ECR No.	APPROVED	DESCRIPTION	Rev.
A	01OCT99			For Euro RP5 R0 PCB	
B	06NOV99			Add C23,C24,C25,L2,R23,R24,Q6	
3	23NOV99			Add D10,R34 PRODUCTION RELEASE	
4	10JAN00			Update As per Rev 4	
5	29FEB00			Add R35	
6	28MAR00			Joint T1 pin 6 & 7	
	01AUG00			Change C11,C12,C13,Q6,R22,R29,R30	
13	15AUG00	267005	PATRICK LEE	Delete R27, R28	
14	06SEP00		D. HANSEN	ADD (FOR 120V) TO R31, R32 & C23.	
				ADD (FOR 230V) TO C19, C20, R29, R30 & R33.	
15	21SEP00		Q. KHALIFA	REV OF PCB P/N 600078 CHANGED FROM 6 TO 7	
				(THIS SCHEMATIC APPLIES TO BOTH REV 6 & REV 7).	
		09NOV00	1331	Q. KAHALIFA 1. SHEET 2 ADDED	
				2. R1 CHANGED FROM 1K0 TO 54R9.	
				3. R43 CHANGED FROM 1K0 TO 2K0 1/2W.	